

**Proficiency Testing Scheme für die
Wasseranalytik - Realproben
AZ10 Arzneimittel, Industriechemikalien und
Zuckerersatzstoffe**

**Proficiency Testing Scheme for Water
Analysis - natural water samples
AZ10 Pharmaceuticals, industrial chemicals
and artificial sweeteners**

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D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 21
- Anzahl der übermittelten Datensätze: 20
- Probenversand: 21.03.2023
- Einsendeschluss der Daten: 18.04.2023

Die Ergebnisabgabe erfolgte auf elektronischem Weg mittels passwortgeschützter Online-Dateneingabe. Beim Abschluss der Dateneingabe bestätigten die Teilnehmenden die vollständige und korrekte Eingabe aller Daten und die Freigabe der Ergebnisse zur Auswertung.

Zur Anonymisierung der Ergebnisse wurde jedem Labor willkürlich ein Laborcode zugeteilt.

D1.2. Beschreibung der Prüfgegenstände

Die Probenahme von Oberflächenwasser und von gereinigtem Abwasser erfolgte am 17.03.2023. Das Probenmaterial umfasste:

- 1 Probe Oberflächenwasser (AZ10 A)
- 1 Probe gereinigtes Abwasser (AZ10 B)

Alle Proben wurden anschließend bis zur weiteren Verarbeitung gekühlt gelagert (4 +/- 3°C). Die o.a. Proben wurden bei 40 µm filtriert und im Rührkessel zusätzlich mit einzelnen Substanzen dotiert.

Das Abfüllen der Proben erfolgte unter ständigem Rühren (Rührkessel). Die Stabilisierung erfolgte durch Kühlung bzw. durch Zusatz von Natriumazid.

Die homogenen Prüfgegenstände wurden am 21.03.2023 verschickt.

Jedes Teilnehmerlabor erhielt:

- 2 Proben zu je 2000 ml, abgefüllt in jeweils 2 x 1000 ml Alu-Flaschen

D1.3. Anweisungen für die Teilnehmenden

Aus Stabilitätsgründen wurde empfohlen bis spätestens 29.03.2023 mit den Analysen zu beginnen.

Den Teilnehmenden stand die Wahl der Analysenmethode bzw. der verwendeten Norm frei, welche mit ihrem Routineverfahren übereinstimmen sollte. Eine Übersicht der angewendeten Methoden findet sich unter E9.

D1.4. Kontrollanalytik zur Bewertung der Homogenität

Im Zuge der Abfüllung wurden zu willkürlichen Zeitpunkten mehrere Aliquote pro Probe zur Kontrollanalytik entnommen.

Es wurden für die A- bzw. B-Probe jeweils n=5 Kontrollproben sowie n=1 undotierte Realprobe dem Labor zur Analyse übergeben.

Alle Parameter wurden in der Prüfstelle am Umweltbundesamt (Prüfstelle für Umwelt-, GVO- & Treibstoffanalytik) zeitnah zum Probenversand analysiert.

Im Zuge der Auswertung wurde die relative Standardabweichung zwischen den Kontrollprobenabfüllungen bewertet und mit der Vergleichsstandardabweichung beim aktuellen Ringversuch verglichen.

Die Ergebnisse der Kontrollanalytik sind in der parameterorientierten Auswertung (E7) in Form von Mittelwerten \pm Messunsicherheit als Kontrollwert (control test value) \pm U gelistet (jeweils angegeben als erweiterte Messunsicherheit, k=2).

D1.5. Trendtest zur Bewertung der Stabilität

Die Bewertung der Stabilität der Prüfgegenstände (Realproben) erfolgte auf Basis der Datenstatistik aus den vergangenen Runden für Realproben im Zeitraum 2013 bis 2021.

Um die ausreichende Stabilität der Prüfgegenstände der aktuellen Eignungsprüfungsrunde bis zum Abgabetermin zu überprüfen, wurde die Darstellung der Ergebnisse der Teilnehmenden nach Analysendatum ausgewertet und auf systematische Trends geprüft (unauffällig). Durch Darstellung der Ergebnisse der Teilnehmenden nach Abfüllreihenfolge wurde auf das Vorliegen möglicher systematischer Trends der Ergebnisse geprüft (unauffällig).

Aufgrund der bisherigen Erfahrungen und aufgrund der Bewertungsgrundlagen der aktuellen Eignungsprüfungsrunde gilt die Stabilität der Prüfgegenstände im empfohlenen Zeitraum für die Analyse bis zum Abgabeschluss als gewährleistet.

D1.6. Ermittlung des zugewiesenen Wertes

Die Ergebnisse der Analysen mussten spätestens bis zum 18.04.2023 beim Veranstalter vorliegen. Später eingehende Werte wurden nicht berücksichtigt.

Im Zuge der Plausibilitätsprüfung der Daten (z.B. Check korrekte Einheiten, Messunsicherheitsangabe, ...) wurden die Teilnehmenden mit auffälligen Ergebnissen zum erneuten Datencheck der Eingabe und um Rückmeldung binnen 24 h aufgefordert.

Nach Abschluss der Plausibilitätsprüfung, wurde der Ausreißertest nach Hampel durchgeführt und die Ausreißer ermittelt. Die von diesem Test auffällig eingestuften Werte wurden in der Auswertung gekennzeichnet („H“). In begründeten Fällen, z.B. wenn der Ausreißertest nach Hampel nicht anwendbar ist (z.B. Ergebnisse liegen sehr eng beieinander oder überwiegend selber Zahlenwert bzw. bei wenig abgegebenen Daten mit sehr hoher Streuung), kann eine Ausreißereliminierung nach weiteren Kriterien erfolgen (z.B. Dean- und Dixon Test bzw. manuelle Ausreißerdefinition aufgrund Expertenbefund). Diese Vorgangsweise wird nach Anwendung unter Punkt D4 des Berichts dokumentiert.

Die weitere Auswertung erfolgte gemäß ISO 5725-2. Eine statistische Auswertung der Ringversuchsdaten erfolgte erst ab zumindest 6 gültigen, numerischen Ergebnissen pro Parameter. Ergebnisse kleiner Bestimmungs- oder Nachweisgrenze wurden bei den Berechnungen nicht berücksichtigt.

Der zugewiesene Wert wird im Normalfall jeweils als der ausreißerbereinigte Mittelwert über alle übermittelten Ergebnisse gebildet.

Bei sehr hohen Streuungen der Ergebnisse der Teilnehmenden von über 50 % oder bei mangelhafter Rückführbarkeit der statistischen Kenndaten aus den ausreißerbereinigten Ergebnissen der Teilnehmenden auf den Mittelwert des Kontrolllabores bzw. einer zu geringen Anzahl an ausreißerbereinigten Ergebnissen über die Gruppe der akkreditierten Labore, kann die Situation auftreten, dass kein zugewiesener Wert für den aktuellen Ringversuch festgelegt werden kann und daher keine Bewertung der Ergebnisse der Teilnehmenden für diesen Parameter möglich ist. Ein entsprechender Hinweis wird im Bericht unter E7 bei der informativen Auswertung angebracht. Im Rahmen der internen Qualitätssicherung der Teilnehmenden kann ein Vergleich mit den Ergebnissen des Kontrolllabors oder ein Vergleich mit den Ergebnissen der Teilnehmenden durchgeführt werden. Die empfohlene Vorgehensweise wird bei Anwendung jeweils parameter- und probenbezogen unter Punkt D4 des Berichts dokumentiert.

D2. Kriterien der Leistungsbewertung

D2.1. Leistungskriterium z-Score

Als Basis zur Berechnung der Wiederfindungsraten sowie der z-Scores wurde der ausreißerbereinigte Mittelwert über alle übermittelten Ergebnisse herangezogen.

Die Ermittlung der z-Scores erfolgte gemäß nachfolgender Formel:

$$z - score = \frac{x_i - \bar{X}}{\text{Kriterium}}$$

Dabei ist:

x_i	Messergebnis des teilnehmenden Labors
\bar{X}	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmenden (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Ergebnisse der Teilnehmenden. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.
<i>Kriterium</i>	Vergleichsstandardabweichung berechnet aus den Statistiken für reale Wasserproben der vorangegangenen Runden im Zeitraum 2013 bis 2021 (RSDpooled) bzw. aus den ausreißerbereinigten Ergebnissen der Teilnehmenden (sR) des aktuellen Ringversuchs (falls noch weniger als 6 vorangegangene Runden für A und B-Proben vorlagen). In begründeten Fällen (z.B. Ergebnisse Realproben nahe an Mindestbestimmungsgrenze oder regulatorischer Vorgaben) erfolgt die Festlegung nach Expertenbefund und die Vorgangsweise wird unter Punkt D4 des Berichts beschrieben.

D2.2. Leistungskriterium E_n-Score

Für die realen Wasserproben erfolgen seit 2019 zusätzliche Bewertungen unter Einbeziehung der erweiterten Messunsicherheiten der Teilnehmenden und der erweiterten Messunsicherheit des zugewiesenen Wertes, gemäß E_n-Score. Diese Auswertungen werden für die Teilnehmenden im Bericht unter Punkt E8, jeweils im Anschluss an die z-Score Auswertung dargestellt.

Die Ermittlung der E_n-Scores erfolgte gemäß nachfolgender Formel:

$$E_n - score = \frac{x_i - \bar{X}}{\sqrt{U(x_i)^2 + U(\bar{X})^2}}$$

Dabei ist:

x_i	Messergebnis des teilnehmenden Labors
\bar{X}	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmenden (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der

Ergebnisse der Teilnehmenden. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.

$U(x_i)$ erweiterte Messunsicherheit des Messergebnisses (Ergebnisse der Teilnehmenden), $k=2$

$U(\bar{X})$ erweiterte Messunsicherheit des zugewiesenen Wertes, $k=2$

D2.3. Leistungsbewertung z-Score und E_n -Score

Interpretation der z-Scores:

- $|z\text{-Score}| \leq 2.0$ Ergebnis gut
- $2.0 < |z\text{-Score}| < 3.0$ Ergebnis fragwürdig
- $|z\text{-Score}| \geq 3.0$ Ergebnis nicht zufriedenstellend

Hinweis: Bei der Bewertung mittels z-Score wird die Messunsicherheit der Teilnehmenden nicht mitberücksichtigt. Der Vergleich der Abweichung zum zugewiesenen Wert erfolgt über das Kriterium.

Interpretation der E_n -Scores:

- $|E_n\text{-Score}| \leq 1.0$ zufriedenstellende Leistung
- $|E_n\text{-Score}| > 1.0$ nicht zufriedenstellende Leistung

Hinweis: Bei der Bewertung mittels E_n -Score erfolgt die Berücksichtigung der erweiterten Messunsicherheiten der Teilnehmenden und des zugewiesenen Wertes. $|E_n\text{-Score}| > 1.0$ können darauf hinweisen, dass die Unsicherheitsschätzungen überprüft oder ein Messproblem korrigiert werden muss.

D3. Darstellung und Interpretation der Messergebnisse

In der parameterorientierten Auswertung ist eine tabellarische Übersicht mit den Messergebnissen inklusive der Unsicherheit ($\pm U$), der Wiederfindung zum zugewiesenen Wert und dem berechneten z-Score dargestellt. Weiterhin werden unter Anmerkungen die Ausreißer gekennzeichnet. Die in der Tabelle angeführten Ergebnisse werden auch grafisch dargestellt.

In der labororientierten Auswertung werden pro Labor in anonymisierter Form die Ergebnisse der einzelnen Labore als Messergebnis $\pm U$ sowie die Wiederfindungen und die ermittelten z-Scores bezugnehmend auf das Kriterium dargestellt. Weiters werden die E_n -Scores unter Berücksichtigung der erweiterten Unsicherheiten in unabhängigen Tabellen ausgegeben. Die labororientierten Auswertungen enthalten jeweils die Bewertungsgrundlagen wie zugewiesener Wert samt erweiterter Messunsicherheit sowie das Kriterium.

Eine Erläuterung zu den Tabellen und Grafiken kann Punkt D5 entnommen werden.

D4. Anmerkungen zur Auswertung

Wie unter Punkt D2 ersichtlich, können die z-Scores auch unter Einbeziehung der Vergleichsstandardabweichung der ausreißerbereinigten Ergebnisse der Teilnehmenden des aktuellen Ringversuchs berechnet werden. Das kann zur Folge haben, dass es bei Parametern mit hoher Ergebnisstreuung dazu kommen kann, dass der Bereich z-Score -2 bis z-Score +2 einen ungewöhnlich hohen Wiederfindungsbereich abdeckt. Umgekehrt führt eine sehr geringe Streuung der Ergebnisse der Teilnehmenden dazu, dass z-Score -2 bis z-Score +2 einen ungewöhnlich kleinen Wiederfindungsbereich abdeckt.

Die Wiederfindungsrate wird unabhängig von der Streuung der Ergebnisse, als prozentuelle Abweichung vom zugewiesenen Wert berechnet und sollte bei der Bewertung von Ergebnissen im Rahmen des internen Qualitätsmanagementsystems der teilnehmenden Labore berücksichtigt werden.

Als Ergebnis einer Langzeitauswertung über aktuell 9 Eignungsprüfungsrunden (2013–2021) in Realproben wurden Kriterien (RSDpool) zur Ergebnisbewertung berechnet. Diese wurden im Zuge der Auswertung den relativen Vergleichsstandardabweichungen (vR) des aktuellen Ringversuchs gegenübergestellt.

Parameter Benzotriazol, Amidotrizoesäure, Atenolol, Carbamazepin, 10,11-Dihydro-10,11-Dihydroxycarbamazepin, Cyclamat, Diazepam, Diclofenac, Iopamidol, Metoprolol, Sotalol, Sucralose und Sulfamethoxazol bei Probe AZ10 A und Parameter Benzotriazol, Amidotrizoesäure, Atenolol, Carbamazepin, 10,11-Dihydro-10,11-Dihydroxycarbamazepin, Cyclamat, Diazepam, Diclofenac, Iopamidol, Saccharin, Sotalol und Sucralose bei Probe AZ10 B: Bei diesen Parametern erfolgt die Berechnung der Scores nach D2.

Parameter 4-Formylaminoantipyrin bei Probe AZ10 A und Parameter 4-Acetylaminoantipyrin und 4-Formylaminoantipyrin bei Probe AZ10 B: Aufgrund der geringen Anzahl an übermittelten gültigen Ergebnissen der Teilnehmenden konnte kein Sollwert berechnet werden. Für diese Parameter empfehlen wir einen Vergleich mit den angegebenen informativen Mittelwerten $\pm U(k=2)$ über die abgegebenen gültigen Ergebnisse nach Ausreißerelimination (siehe Auflistung in D6.1).

Parameter Acesulfam, Bisoprolol und Ibuprofen bei Probe AZ10 A und Parameter Acesulfam, Bisoprolol, Ibuprofen, Metoprolol und Sulfamethoxazol bei Probe AZ10 B: Die auf Basis der Ergebnisse der Teilnehmenden berechneten Sollwerte lagen

außerhalb der Messunsicherheit des Kontrollwertes und es ist über das Kontrolllabor keine Rückführbarkeit möglich. Der zugewiesene Wert wurde daher über die ausreißerbereinigten Mittelwerte aus der Gruppe der akkreditierten Teilnehmenden berechnet.

Parameter Diazepam, Diclofenac und Ibuprofen bei Probe AZ10 A und Parameter Diazepam, Ibuprofen und Metoprolol bei Probe AZ10 B:

Für diese Parameter wurden relative Vergleichsstandardabweichungen (vR) von 7 % für Diazepam Probe AZ10 A, 23 % für Diclofenac Probe AZ10 A, 14 % für Ibuprofen Probe AZ10 A sowie 10 % bei Diazepam Probe AZ10 B, 9 % bei Ibuprofen AZ10 B und 22 % bei Metoprolol Probe AZ10 B für die Bewertung gewählt.

Parameter 4-Acetylaminoantipyrin und Saccharin bei Probe AZ10 A: Die auf Basis der Ergebnisse der Teilnehmenden berechneten Sollwerte lagen außerhalb der Messunsicherheit des Kontrollwertes und es ist über das Kontrolllabor keine Rückführbarkeit möglich. Bei diesen Parametern gab es nicht ausreichend Daten der akkreditierten Labore ($n < 6$) um einen zugewiesenen Wert zu berechnen. Für diese Parameter empfehlen wir einen Vergleich mit den angegebenen informativen Mittelwerten $\pm U(k=2)$ über die abgegebenen gültigen Ergebnisse nach Ausreißerelimination (4-Acetylaminoantipyrin) bzw. den Vergleich über die abgegebenen gültigen Daten der akkreditierten Labore (Saccharin, $n=5$) (siehe Auflistung in D6.1).

D5. Erläuterung zu Tabellen und Grafiken

D5.1. Angaben und Abkürzungen in Tabellen

Parameter	Allgemeine Bezeichnung des Analysenparameters
Probe	Bezeichnung der übermittelten Probe
Einheit	Vorgegebene Einheit für Messwert und Ergebnisunsicherheit (z.B. $\mu\text{g/l}$)
Zugewiesener Wert	Sollwert für die Leistungsbewertung der Teilnehmenden (angegeben auf 3 signifikante Stellen)
U (k=2)	erweiterte Unsicherheit (k=2) des zugewiesenen Wertes, (angegeben auf 3 signifikante Stellen)
Kriterium	Vorgabewert zur Ermittlung des z-Scores in der angegebenen Einheit (angegeben auf 3 signifikante Stellen)
Kriterium [%]	Vorgabewert zur Ermittlung des z-Scores in % des zugewiesenen Wertes (angegeben auf 2 signifikante Stellen)

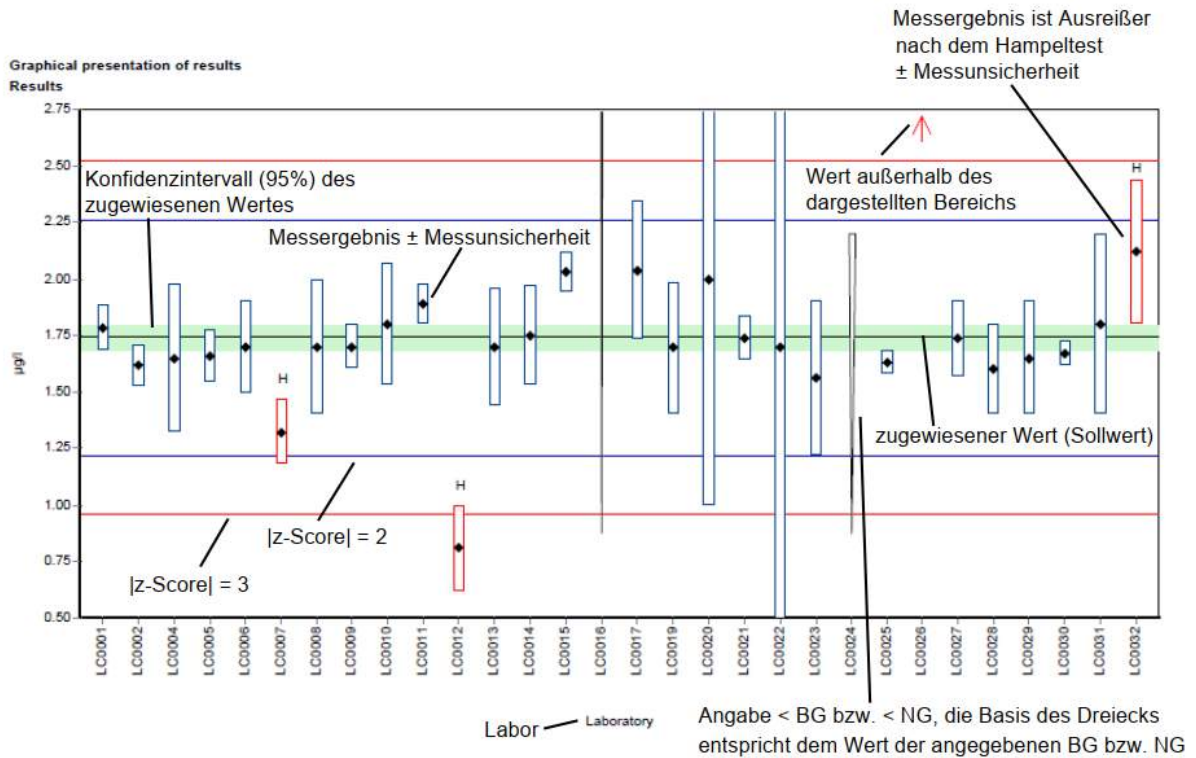
Mittelwert	Ausreißerbereinigter Mittelwert über die Ergebnisse der Teilnehmenden (angegeben auf 3 signifikante Stellen)
VB (99%)	99 % Vertrauensbereich (angegeben auf 3 signifikante Stellen)
Minimum	Minimales abgegebenes Messergebnis, ausreißerbereinigt (angegeben auf 3 signifikante Stellen)
Maximum	Maximales abgegebenes Messergebnis, ausreißerbereinigt (angegeben auf 3 signifikante Stellen)
sR	Vergleichsstandardabweichung, berechnet aus den ausreißerbereinigten Ergebnissen der Teilnehmenden des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)
vR	relative Vergleichsstandardabweichung in %, berechnet aus den ausreißerbereinigten Ergebnissen der Teilnehmenden des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 2 signifikante Stellen)
Kontrollwert \pm U (k=2)	Mittelwert der Kontrollmessungen des Veranstalters \pm erweiterte Ergebnisunsicherheit des Kontrollwertes (jeweils angegeben auf 3 signifikante Stellen)
Laborcode	anonymisierte, eindeutige Kennung des teilnehmenden Labors im jeweiligen Ringversuch
Messwert	einzelne(r) Messwert(e) lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt)
Messergebnis	Für die Bewertung herangezogenes Ergebnis lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt). Bei Eignungsprüfungsrunden mit Vorgabe von unabhängigen Mehrfachbestimmungen, entspricht dies dem berechneten Mittelwert aus den einzelnen Messwerten der Teilnehmenden.
\pm U	kombinierte Messunsicherheit ohne Erweiterungsfaktor (k=1) lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt)
BG	Bestimmungsgrenze
NG	Nachweisgrenze
WF	Wiederfindungsrate in %, bezogen auf den zugewiesenen Wert (angegeben auf 3 signifikante Stellen, dargestellt maximal 1 Nachkommastelle)
MW	Mittelwert
z-Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches des Kriteriums (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen)

E _n -Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches der kombinierten Messunsicherheiten, bestehend aus erweiterter Unsicherheit des zugewiesenen Wertes und der erweiterten Unsicherheit der Messergebnisse der Teilnehmenden (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen). Beim E _n -Score erfolgt die Berücksichtigung der Messunsicherheit der Teilnehmenden.
-	Keine Daten übermittelt bzw. keine Berechnung möglich
Anmerkungen	Anmerkungen zum jeweiligen Messergebnis (z.B. H, FN, FP)
H	Ausreißer nach dem Hampel-Test
FN	Falsch negativ – Messergebnis kleiner Bestimmungs- bzw. Nachweisgrenze dessen Betrag die Bedingungen eines Ausreißers nach dem Hampeltest erfüllt.
FP	Falsch positiv – Falls aufgrund des geringen Analytgehalts kein zugewiesener Wert ermittelt werden kann ($n < 6$), wird der Median der Beträge der übermittelten Nachweis- bzw. Bestimmungsgrenzen ermittelt. Als falsch positiv wird ein Messergebnis bewertet, welches diesen Median um mehr als 100 % übersteigt.
Standardabweichung	Vergleichsstandardabweichung berechnet aus den Ergebnissen der Teilnehmenden des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)
rel. Standardabweichung	relative Vergleichsstandardabweichung in %, berechnet aus den Ergebnissen der Teilnehmenden des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 3 signifikante Stellen)
n	Anzahl der Messergebnisse
*	Kennzeichnung für Hinweise zur Erläuterung

D5.2. Graphische Darstellung der Ergebnisse

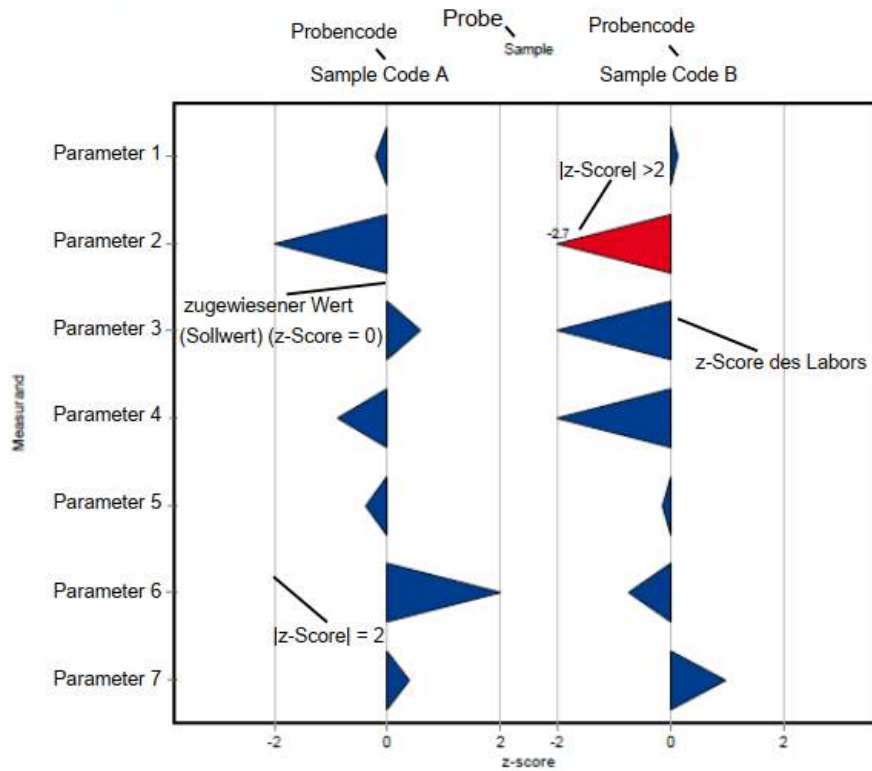
Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

Beispieldiagramm: Messwerte

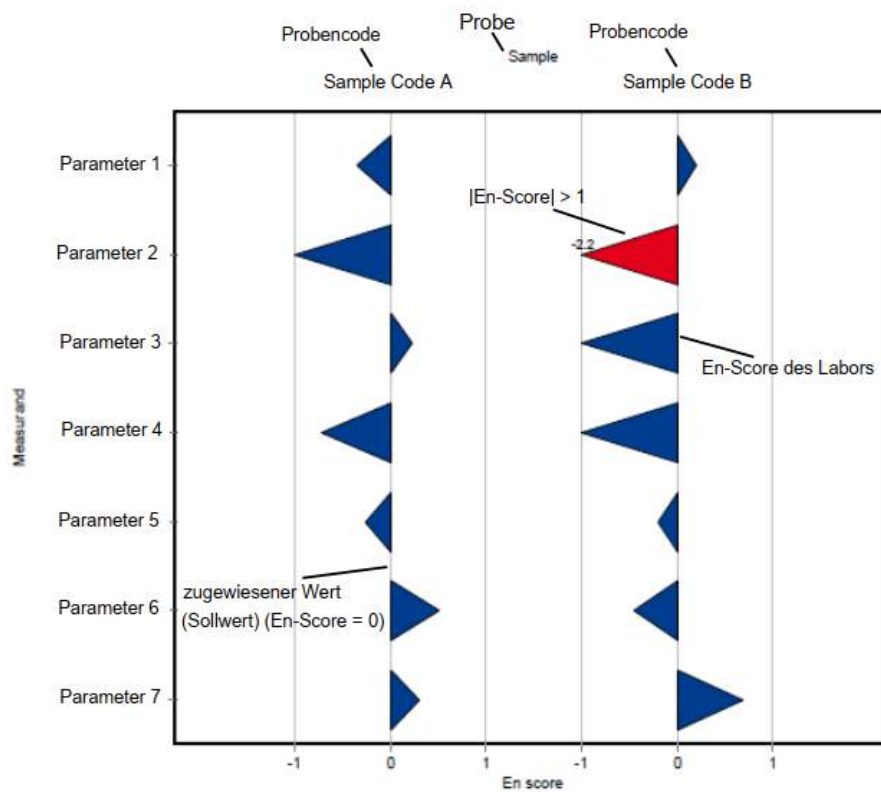


Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score (labororientierte Auswertung)



Beispieldiagramm: En-Score (labororientierte Auswertung)



D6. Zusammenfassung

D6.1. Tabelle der zugewiesenen Werte

Parameter	Probe	Einheit	zugewiesener Wert	±	U (k=2)	Kriterium	Kriterium [%]
4-Acetylaminoantipyrin *	AZ10 A	µg/l	-	±	-	-	-
	AZ10 B	µg/l	-	±	-	-	-
4-Formylaminoantipyrin *	AZ10 A	µg/l	-	±	-	-	-
	AZ10 B	µg/l	-	±	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepin	AZ10 A	µg/l	0.508	±	0.0779	0.0965	19
	AZ10 B	µg/l	1.38	±	0.168	0.207	15
Acesulfam	AZ10 A	µg/l	0.918	±	0.0628	0.156	17
	AZ10 B	µg/l	0.884	±	0.0932	0.15	17
Amidotrizoesäure	AZ10 A	µg/l	2.18	±	0.0987	0.544	25
	AZ10 B	µg/l	3.18	±	0.268	0.794	25
Atenolol	AZ10 A	µg/l	0.869	±	0.031	0.217	25
	AZ10 B	µg/l	1.05	±	0.052	0.263	25
Benzotriazol	AZ10 A	µg/l	0.399	±	0.0132	0.0479	12
	AZ10 B	µg/l	7.74	±	0.325	0.929	12
Bisoprolol	AZ10 A	µg/l	1.12	±	0.196	0.235	21
	AZ10 B	µg/l	1.88	±	0.267	0.32	17
Carbamazepin	AZ10 A	µg/l	0.821	±	0.0231	0.107	13
	AZ10 B	µg/l	0.925	±	0.0475	0.12	13
Cyclamat	AZ10 A	µg/l	0.652	±	0.0208	0.196	30
	AZ10 B	µg/l	0.427	±	0.0408	0.128	30
Diazepam	AZ10 A	µg/l	0.544	±	0.0272	0.0381	7
	AZ10 B	µg/l	0.275	±	0.0192	0.0275	10
Diclofenac	AZ10 A	µg/l	0.913	±	0.106	0.21	23
	AZ10 B	µg/l	4.07	±	0.211	0.569	14
Ibuprofen	AZ10 A	µg/l	0.948	±	0.0866	0.133	14
	AZ10 B	µg/l	2.26	±	0.124	0.204	9
Iopamidol	AZ10 A	µg/l	1.95	±	0.125	0.449	23
	AZ10 B	µg/l	40	±	4.79	9.19	23
Metoprolol	AZ10 A	µg/l	0.365	±	0.0196	0.0729	20
	AZ10 B	µg/l	0.937	±	0.106	0.206	22
Saccharin*	AZ10 A	µg/l	-	±	-	-	-
	AZ10 B	µg/l	1.02	±	0.091	0.224	22
Sotalol	AZ10 A	µg/l	0.426	±	0.0203	0.0937	22
	AZ10 B	µg/l	1.9	±	0.148	0.417	22
Sucralose	AZ10 A	µg/l	2.93	±	0.216	0.878	30
	AZ10 B	µg/l	26	±	1.99	7.81	30
Sulfamethoxazol	AZ10 A	µg/l	0.191	±	0.0095	0.023	12
	AZ10 B	µg/l	0.426	±	0.0171	0.0511	12

*Für nachfolgende Substanzen sind zur Information die berechneten Mittelwerte MW \pm U(k=2) über die Daten der Labore (n) angeführt. Diese können zum Vergleich im Rahmen Ihrer internen QS-Maßnahmen herangezogen werden:

AZ10 A: 4-Acetylaminoantipyrin (n=6): 0.537 \pm 0.030 $\mu\text{g/l}$ U(k=2)

AZ10 A: 4-Formylaminoantipyrin (n=5): 0.263 \pm 0.0229 $\mu\text{g/l}$ U(k=2)

AZ10 A: Saccharin (n=5): 0.986 \pm 0.051 $\mu\text{g/l}$ U(k=2)

AZ10 B: 4-Acetylaminoantipyrin (n=5): 3.54 \pm 0.23 $\mu\text{g/l}$ U(k=2)

AZ10 B: 4-Formylaminoantipyrin (n=4): 5.85 \pm 0.175 $\mu\text{g/l}$ U(k=2)

D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
4-Acetylaminoantipyrin	AZ10 A	6	0	µg/l	-	± -	0.468	0.569	-	-
	AZ10 B	5	0	µg/l	-	± -	3.14	3.82	-	-
4-Formylaminoantipyrin	AZ10 A	5	1	µg/l	-	± -	0.238	0.301	-	-
	AZ10 B	4	1	µg/l	-	± -	5.69	6.09	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepin	AZ10 A	6	0	µg/l	0.508	± 0.117	0.372	0.643	0.0955	19
	AZ10 B	6	0	µg/l	1.38	± 0.251	1.1	1.62	0.205	15
Acesulfam	AZ10 A	14	3	µg/l	0.925	± 0.0668	0.723	1.04	0.0834	9
	AZ10 B	16	0	µg/l	0.898	± 0.105	0.587	1.19	0.14	16
Amidotrizoesäure	AZ10 A	16	0	µg/l	2.18	± 0.148	1.83	2.55	0.197	9.1
	AZ10 B	14	1	µg/l	3.18	± 0.401	1.98	4.24	0.501	16
Atenolol	AZ10 A	10	3	µg/l	0.869	± 0.0466	0.772	0.92	0.0491	5.6
	AZ10 B	11	2	µg/l	1.05	± 0.078	0.93	1.25	0.0863	8.2
Benzotriazol	AZ10 A	14	1	µg/l	0.399	± 0.0198	0.356	0.448	0.0247	6.2
	AZ10 B	13	1	µg/l	7.74	± 0.488	6.3	8.6	0.586	7.6
Bisoprolol	AZ10 A	6	0	µg/l	1.12	± 0.294	0.8	1.47	0.24	21
	AZ10 B	6	0	µg/l	1.88	± 0.401	1.4	2.22	0.327	17
Carbamazepin	AZ10 A	12	5	µg/l	0.821	± 0.0347	0.75	0.91	0.0401	4.9
	AZ10 B	16	1	µg/l	0.925	± 0.0713	0.77	1.16	0.095	10
Cyclamat	AZ10 A	7	4	µg/l	0.652	± 0.0312	0.626	0.694	0.0275	4.2
	AZ10 B	10	1	µg/l	0.427	± 0.0612	0.355	0.564	0.0645	15
Diazepam	AZ10 A	7	0	µg/l	0.544	± 0.0408	0.493	0.593	0.036	6.6
	AZ10 B	7	0	µg/l	0.275	± 0.0288	0.241	0.315	0.0254	9.2
Diclofenac	AZ10 A	15	0	µg/l	0.913	± 0.16	0.412	1.21	0.206	23
	AZ10 B	14	0	µg/l	4.07	± 0.317	3.4	4.66	0.395	9.7
Ibuprofen	AZ10 A	12	0	µg/l	0.948	± 0.111	0.787	1.21	0.128	14
	AZ10 B	12	0	µg/l	2.26	± 0.17	2	2.61	0.196	8.7
Iopamidol	AZ10 A	10	3	µg/l	1.95	± 0.187	1.53	2.3	0.197	10

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
Iopamidol	AZ10 B	12	0	µg/l	40	± 7.19	23.8	56.1	8.3	21
Metoprolol	AZ10 A	15	1	µg/l	0.365	± 0.0295	0.315	0.427	0.038	10
	AZ10 B	16	0	µg/l	0.924	± 0.154	0.383	1.18	0.205	22
Saccharin	AZ10 A	7	1	µg/l	-	± -	0.893	1.05	-	-
	AZ10 B	8	0	µg/l	1.02	± 0.137	0.885	1.25	0.129	13
Sotalol	AZ10 A	14	2	µg/l	0.426	± 0.0304	0.37	0.5	0.0379	8.9
	AZ10 B	14	1	µg/l	1.9	± 0.222	1.41	2.41	0.277	15
Sucralose	AZ10 A	8	1	µg/l	2.93	± 0.323	2.44	3.44	0.305	10
	AZ10 B	8	1	µg/l	26	± 2.99	21	29	2.82	11
Sulfamethoxazol	AZ10 A	18	1	µg/l	0.191	± 0.0143	0.14	0.222	0.0202	11
	AZ10 B	17	2	µg/l	0.425	± 0.0241	0.369	0.479	0.0331	7.8

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 21
- Number of submitted data records: 20
- Dispatch of samples: March 21st, 2023
- Closing date for submission of data: April 18th, 2023

The results were submitted electronically by a password-protected online data entry. Upon completion of the data entry, the participant confirmed the complete and correct entry of all data and the authorization of the results for evaluation.

To anonymize results, each laboratory was given a laboratory code on a random basis.

E1.2. Description of the proficiency test items

The sampling of surface water and municipal waste water was carried out on March 17th, 2023.

The following samples were made available

- 1 sample surface water (AZ10 A)
- 1 sample municipal waste water (AZ10 B)

Both samples were stored at 4 +/- 3°C until further processing. The samples were filtered (40 µm) and partly spiked with specific substances in the stirring vessel.

The samples were filled into bottles under continuous stirring (stirring vessel) and stabilized by cooling and by addition of sodium azide respectively.

The homogeneous proficiency test items were dispatched on March 17th, 2023.

Each participant received:

- 2 samples of 2000 ml each, filled in 2 x 1000 ml aluminium bottles

E1.3. Instructions for the participants

For reasons of stability, it was recommended to start the analysis by March 29th, 2023 at the latest.

The participants are expected to use the test method or measurement method of their choice, which should be consistent with their routine procedures. In E9 you will find the overview of applied methods in course of the proficiency testing.

E1.4. Control testing for homogeneity evaluation

During filling of the bottles, aliquots of each sample were collected randomly for control testing. From each of the samples A and B, n=5 control test samples and n=1 unspiked real water sample were transferred to the laboratory for control testing.

All parameters were tested in the testing laboratory at the Environment Agency Austria (Prüfstelle für Umwelt-, GVO- & Treibstoffanalytik) close to the time of sample dispatch.

During evaluation the relative standard deviation between the individual results of the control test samples was assessed for each parameter by comparison with the reproducibility standard deviation of the actual proficiency test.

In the parameter-oriented evaluation (E7), the results of the control testing are given in the form of arithmetic means of the detected concentrations \pm expanded measurement uncertainty as control test value \pm U (expanded uncertainty, k=2).

E1.5. Trend test for stability evaluation

The evaluation of stability of the proficiency test items was performed using the data statistics of the results of previous proficiency testing rounds for real water samples of the period from 2013 to 2021.

The assessment of the stability of the proficiency test items of the current round was carried out by evaluation of all participant results sorted by analysis date (until submission deadline): No systematic trends were identified.

Using all participants results, it was furthermore tested if systematic trends could be detected depending on the order in which the bottles were filled for the proficiency test: No systematic trends could be identified.

According to data obtained from previous rounds and based on the trend test evaluation of the current round, the stability of the test items for proficiency testing of real water samples can be confirmed for the recommended analysis period until deadline for submission of data.

E1.6. Determination of the assigned values

The analytical results had to be made available to the organiser not later than April 18th, 2023. Any values received at a later date were not considered.

In the course of the plausibility assessment of all received data (e.g. check for correct units, indication of measurement uncertainty, ...) the participants with noticeable

results were asked to perform a subsequent data check and to give a prompt feedback within 24 h.

After plausibility assessment an outlier test according to Hampel was performed to identify outliers. Values identified as conspicuous are marked specifically in the parameter-oriented evaluation ('H').

In justified cases, for instance, when the outlier test according to Hampel is not applicable (e.g. many similar or identical results of the participants or in case of a very limited number of highly scattering results) a different outlier identification method can be applied (e.g. Dean and Dixon outlier test or manual outlier elimination by expert judgement). In such a case, this procedure is documented in section E4 of the report.

Further data evaluation was performed in accordance with ISO 5725-2. A statistical evaluation of proficiency testing data was only carried out if at least 6 valid results per parameter were available. Results < LOQ or < LOD are not included in the calculation for the assigned value.

The assigned values are normally calculated as the mean over all submitted results, after removal of outliers.

For real water samples in some exceptional cases it might occur, that no assigned value based on participants' results can be calculated and no evaluation of the participants results can be made. E.g due to large variations in the participant results ($vR > 50\%$) and/or insufficient traceability of the calculated mean of all participants after outlier-clearing to the mean of control testing or if the number of results (without outliers) of the group of accredited testing laboratories is too low.

In this case, a clear statement in section E7 of the report is made and all provided statistical data are for information only. In section E4 further information is given, when applicable, for each parameter and proficiency test item. In course of the internal quality measures, the participants can compare their results with the control test values or with the results of the participants. The recommended procedure is documented for each parameter and sample in E4 of the report.

E2. Criteria of performance evaluation

E2.1. Performance criterion z-Score

The adjusted average value (after removal of outliers) for all submitted results was used as a basis for the calculation of recovery rates and z-scores.

z-Scores were calculated on the basis of the following formula:

$$z - score = \frac{x_i - \bar{X}}{Criteria}$$

In this context,

x_i	is the measurement value (result) of the participating laboratory;
\bar{X}	assigned value the target value for the assessment of the performance of the participants (3 significant digits), normally the average value of the participants' results after removal of outliers; if this approach is not applicable, the target value is assigned according to the procedure given in section E4
Criteria	is the reproducibility standard deviation calculated from previous rounds for proficiency testing for real water samples from 2013 to 2021 (as RSD pooled) or from the participants' results after removal of outliers (sR) in the current round (if less than 6 previous rounds for the parameters of real water samples A and B are available). Where justified (e.g. results for real water samples are close to minimum quantification limit or in case of regulatory requirements) the criteria is defined by expert judgement and the procedure is clearly described in section E4 of the report.

E2.2. Performance criterion E_n-Score

Since 2019 additional assessment of the participants' results using E_n-Scores for proficiency testing of real water samples is performed. This additional assessment takes into account the expanded measurement uncertainties of the participants results and the expanded uncertainty of the assigned value and is provided in the laboratory oriented part of the report (see E8 after the z-scores evaluation).

E_n-Scores were calculated on the basis of the following formula:

$$E_n - score = \frac{x_i - \bar{X}}{\sqrt{U(x_i)^2 + U(\bar{X})^2}}$$

In this context,

x_i	is the measurement value (result) of the participating laboratory
\bar{X}	assigned value the target value for the assessment of the performance of the participants (3 significant digits), normally the average value of the participants' results after removal of outliers; if this approach is not applicable, the target value is assigned according to the procedure given in section E4

$U(x_i)$ expanded measurement uncertainty for the result of the participating laboratory, $k=2$

$U(\bar{X})$ expanded measurement uncertainty for the assigned value, $k=2$

E2.3. Performance evaluation z-Score and E_n -Score

Interpretation of z-Scores:

- $|z\text{-Score}| \leq 2.0$ good result
- $2.0 < |z\text{-Score}| < 3.0$ questionable result
- $|z\text{-Score}| \geq 3.0$ unsatisfactory result

Note: In case of assessment of the participants' performance by z-scores the measurement uncertainty of the participants' results is not taken into account. The difference between result of participants and the assigned value is evaluated by the criteria.

Interpretation of E_n -Scores:

- $|E_n\text{-Score}| \leq 1.0$ satisfactory performance
- $|E_n\text{-Score}| > 1.0$ unsatisfactory performance

Note: In case of assessment of the participants' performance by E_n -Scores the expanded measurement uncertainties for the results and for the assigned values are taken into account. $|E_n\text{-Score}| > 1.0$ might indicate to check the measurement uncertainty estimation or might point out to correct a measurement problem.

E3. Representation and interpretation of measurement results

The parameter-oriented report provides the measurement values (results) including uncertainty ($\pm U$), recovery rate, calculated z-Score and the outliers in tabular form. The results listed in the table are also represented graphically.

The laboratory oriented report shows the results of the individual laboratories (anonymous), including the measurement uncertainty ($\pm U$), recovery rates, z-Scores and additionally evaluation of E_n -Scores on separate pages.

The tables also contain the basis for the data assessment as the assigned values and expanded measurement uncertainties and the criteria.

An annotation of the tables and graphics is given in section E5.

E4. Explanatory notes

As explained in section E2, the z-Score can also be calculated using the reproducibility standard deviation, calculated from the participants' results (after removal of outliers) in the relevant test round. It might occur that the z-Score between -2 and 2 covers a large range of measurement values when the variance of the results is high. On the other hand, the range of good results can be very narrow, when the variation of the participants' results is small.

The recovery rate is calculated for the individual result based on the assigned value and is thus independent of the reproducibility standard deviation. In the case of a high variance of the results, participants should also consider recovery rates as additional criteria to decide on the necessity of internal quality assurance measures.

As a result of a long-term evaluation of 9 proficiency testing rounds (2013–2021) in real samples, evaluation criteria (RSDpool) were calculated.

These criteria were compared with the relative reproducibility standard deviation (vR) of the current proficiency testing.

Parameters Benzotriazole, Amidotrizoic acid, Atenolol, Carbamazepine, 10,11-Dihydro-10,11-Dihydroxycarbamazepine, Cyclamate, Diazepam, Diclofenac, Iopamidol, Metoprolol, Sotalol, Sucralose and Sulfamethoxazole in sample AZ10 A and parameters Benzotriazole, Amidotrizoic acid, Atenolol, Carbamazepine, 10,11-Dihydro-10,11-Dihydroxycarbamazepine, Cyclamate, Diazepam, Diclofenac, Iopamidol, Saccharin, Sotalol and Sucralose in sample AZ10 B: Scores for all listed parameters were calculated according to E2.

Parameter 4-Formylaminoantipyrine for sample AZ10 A and parameters 4-Acetylaminoantipyrine and 4-Formylaminoantipyrine for sample AZ10 B: Assigned values were not calculated because of the small number of submitted valid results. For these parameters, we recommend to compare your results with the given informative mean values $\pm U(k=2)$ over the submitted valid results after outlier elimination (see E6.1).

Parameters Acesulfame, Bisoprolol and Ibuprofen for sample AZ10 A and parameters Acesulfame, Bisoprolol, Ibuprofen, Metoprolol and Sulfamethoxazole for sample AZ10 B: The assigned values calculated based on the participant results were outside of the measurement uncertainty of the control test value and thus traceability could not be proven by this procedure. Therefore, new assigned values were defined by the group of accredited participating laboratories after outlier-assessment.

Parameters Diazepam, Diclofenac and Ibuprofen for sample AZ10 A and parameters Diazepam, Ibuprofen and Metoprolol for sample AZ10 B: For these parameters a reproducibility standard deviation (vR) of 7 % for Diazepam sample AZ10 A, 23 % for Diclofenac sample AZ10 A, 14 % for Ibuprofen sample AZ10 A and 10 % for Diazepam

sample AZ10 B, 9 % for Ibuprofen AZ10 B and 22 % for Metoprolol sample AZ10 B were chosen for further evaluation.

Parameters 4-Acetylaminoantipyrine and Saccharin in sample AZ10 A:

The assigned values calculated based on the participant results were outside the measurement uncertainty of the control value and thus traceability could not be proven by this procedure. There weren't enough data of accredited participating laboratories to define the assigned values ($n < 6$). For these parameters, we recommend to compare your results with the given informative mean values $\pm U(k=2)$ over the submitted valid results after outlier elimination (4-Acetylaminoantipyrine) or over the submitted valid data of the accredited laboratories (Saccharin, $n=5$) (see E6.1).

E5. Annotations on tables and charts

E5.1. Information and abbreviations in tables

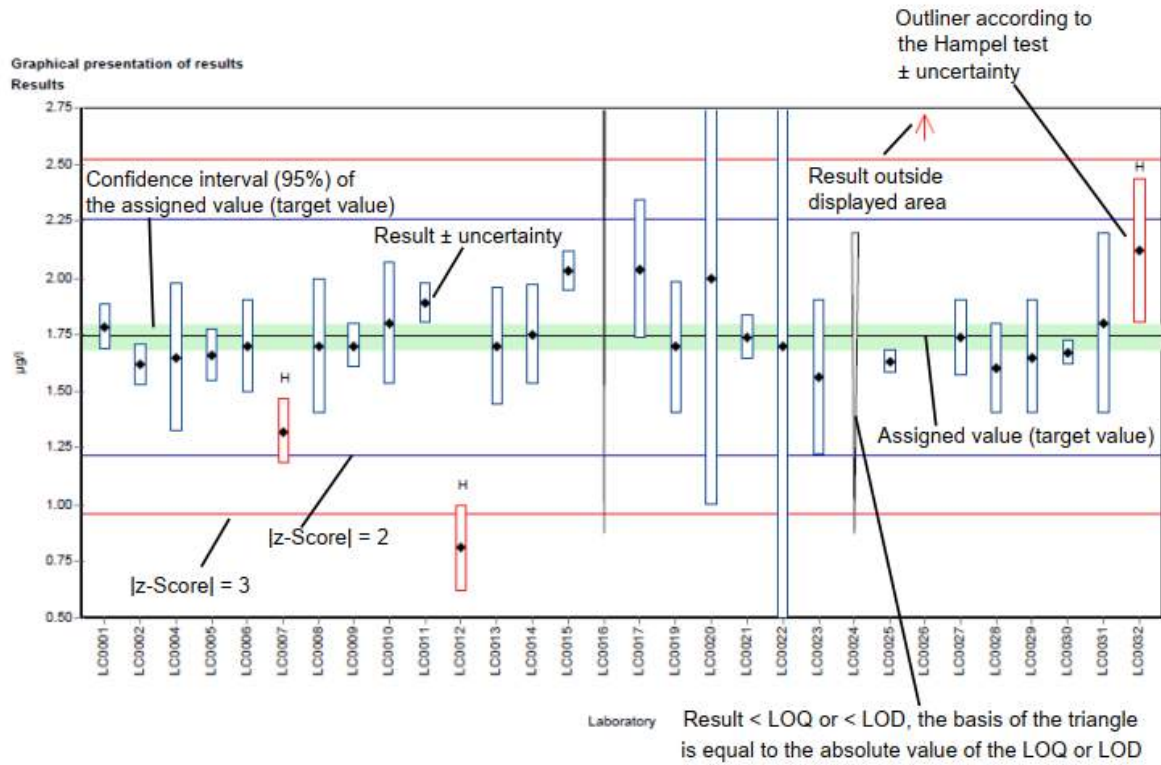
Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. $\mu\text{g/l}$)
Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criteria	Specified value for the determination of the z-score in the given unit (3 significant digits)
Criteria [%]	Specified value for the determination of the z-score in % of the assigned value (2 significant digits)
Mean	Mean of the participants results, without outliers (3 significant digits)
CI (99 %)	99 % confidence interval (3 significant digits)
Minimum	Minimum of all submitted results, after removal of outliers (3 significant digits)
Maximum	Maximum of all submitted results, after removal of outliers (3 significant digits)
SD	Reproducibility standard deviation, calculated from the participants results, after removal of outliers (3 significant digits)
RSD %	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, after removal of outliers (2 significant digits)
Control test value \pm U (k=2)	Mean of control test value \pm expanded measurement uncertainty (3 significant digits)
Labcode	Laboratory identifier (anonymized)

Result ± U	Result as indicated by participant (max. 5 decimal places) combined measurement uncertainty without expansion factor (k=1), as indicated by participant (max. 5 decimal places)
LOQ	Limit of quantification
LOD	Limit of detection
Recovery	Recovery rate in % based on assigned value (target value) (3 significant digits, max. one decimal place given)
z-Score	Deviation of result based on the assigned value (target value) given as a multiple of the criteria (3 significant digits, max. 2 decimal places given)
E _n -Score	Deviation of result based on the assigned value (target value) given as a multiple of the combined expanded measurement uncertainty of the participant's results and expanded measurement uncertainty for the assigned value (3 significant digits, max. 2 decimal places given). Note: E _n -Score assessment takes into account the measurement uncertainty of the participants.
-	No data available or no calculation possible
Comments	Comment on the respective result (e.g. H, FN, FP)
H	Outlier according to Hampel-Test
FN	False negative – for a result < LOQ or result < LOD: The absolute value of the LOQ or LOD fulfils the condition of an outlier according to the Hampel test.
FP	False positive – for parameters where no target value is available because of a too low analyte content (n < 6): Result that exceeds the median of the absolute values of the transmitted LOQs or LODs by more than 100 %.
Standard deviation	Reproducibility standard deviation, calculated from the participants results (3 significant digits)
Rel. standard deviation	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, (3 significant digits)
n	Number of results
*	mark for additional comments

E5.2. Graphical presentation of results

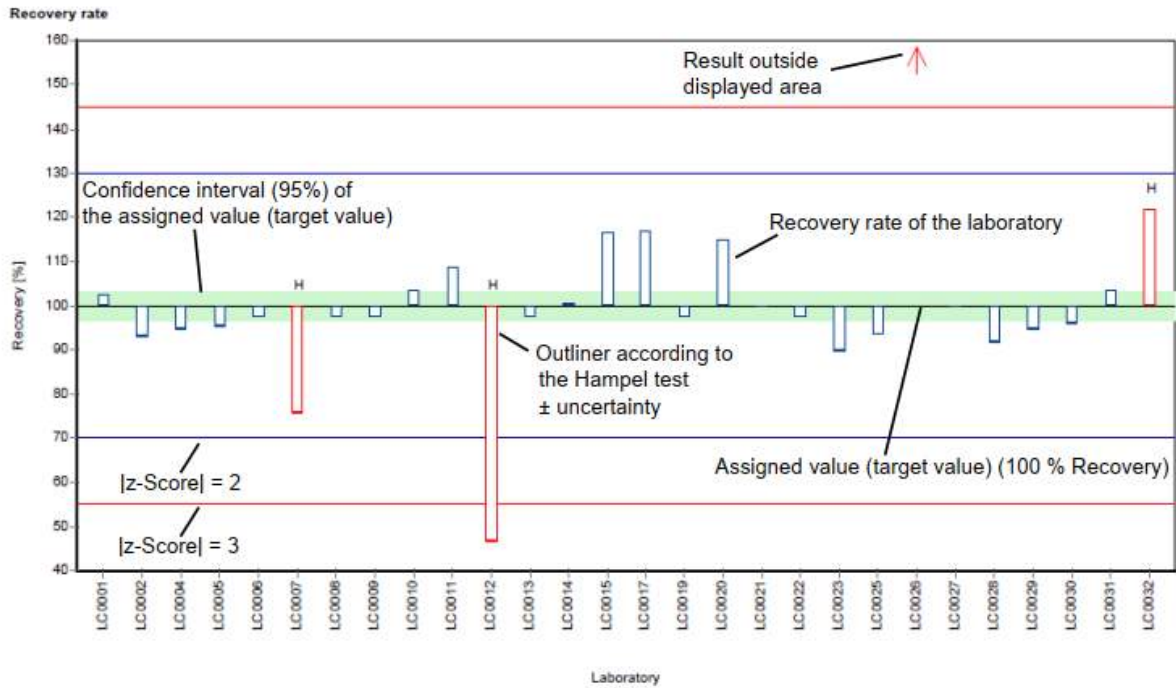
The graphic representation in the report is explained below by means of commented example diagrams:

Example chart: Results



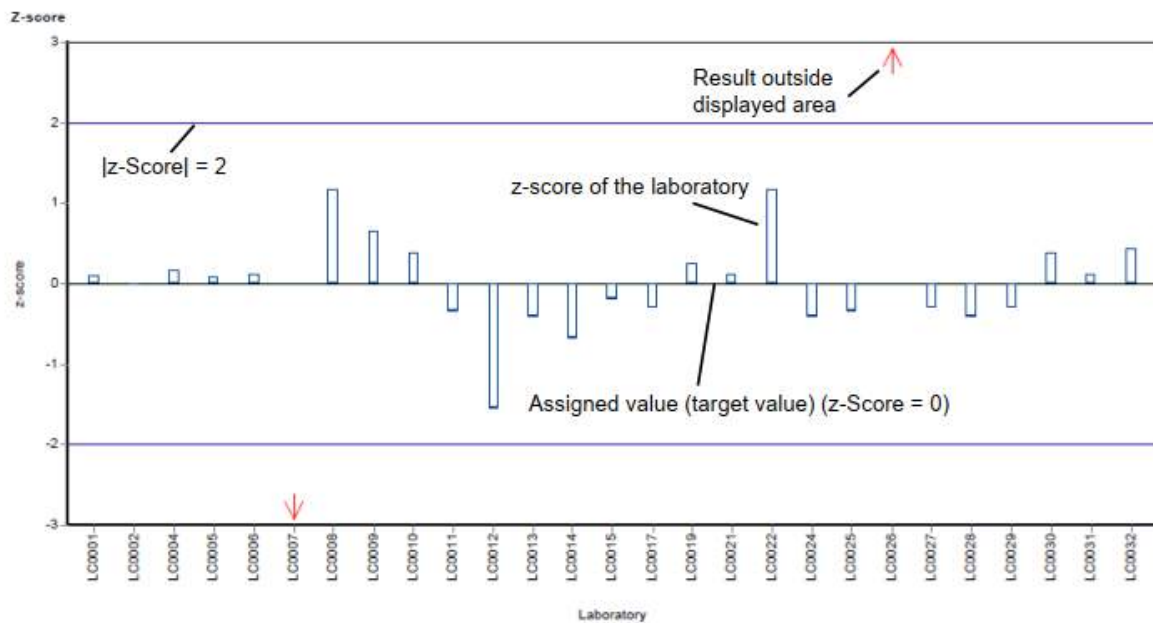
Different analysis methods are represented with different colors.

Example chart: Recovery



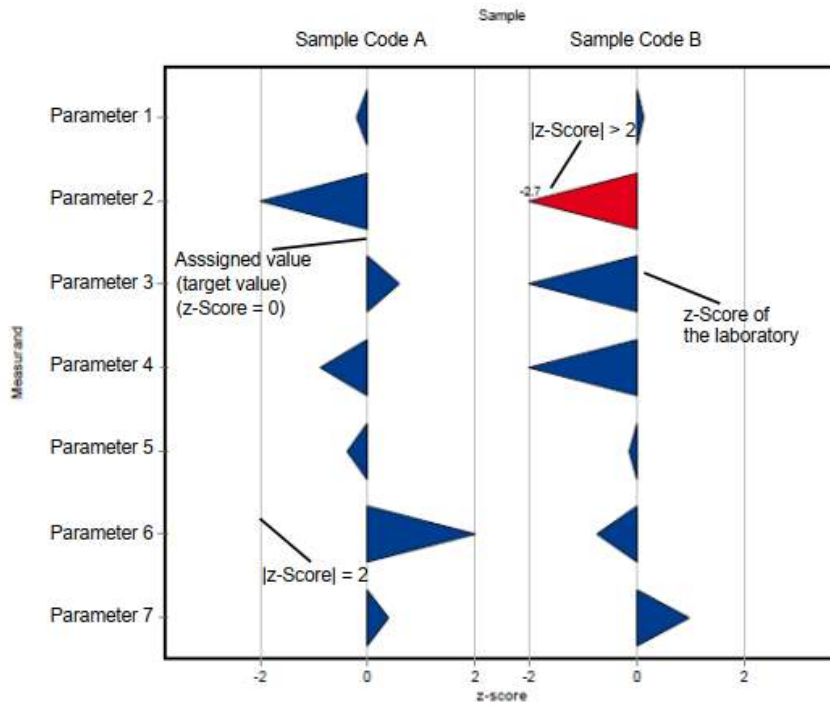
Different analysis methods are represented with different colors.

Example chart: z-Score

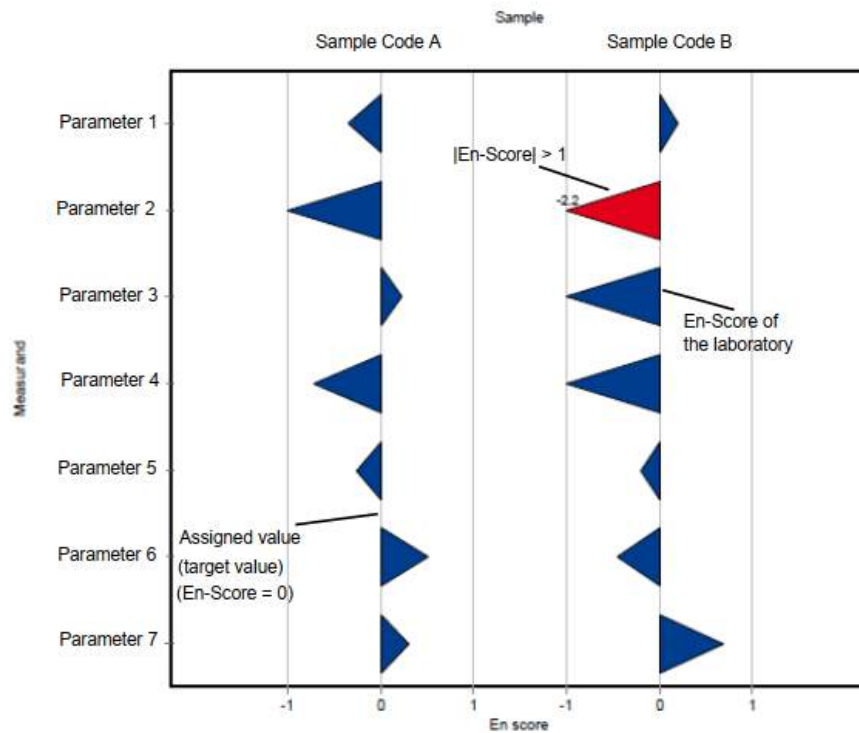


Different analysis methods are represented with different colors.

Example chart: z-Score (laboratory oriented report)



Example chart: En-Score (laboratory oriented report)



E6. Summary

E6.1. Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
4-Acetylaminoantipyrine *	AZ10 A	µg/l	- ±	-	-	-
	AZ10 B	µg/l	- ±	-	-	-
4-Formylaminoantipyrine *	AZ10 A	µg/l	- ±	-	-	-
	AZ10 B	µg/l	- ±	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	AZ10 A	µg/l	0.508 ±	0.0779	0.0965	19
	AZ10 B	µg/l	1.38 ±	0.168	0.207	15
Acesulfame	AZ10 A	µg/l	0.918 ±	0.0628	0.156	17
	AZ10 B	µg/l	0.884 ±	0.0932	0.15	17
Amidotrizoic acid	AZ10 A	µg/l	2.18 ±	0.0987	0.544	25
	AZ10 B	µg/l	3.18 ±	0.268	0.794	25
Atenolol	AZ10 A	µg/l	0.869 ±	0.031	0.217	25
	AZ10 B	µg/l	1.05 ±	0.052	0.263	25
Benzotriazole	AZ10 A	µg/l	0.399 ±	0.0132	0.0479	12
	AZ10 B	µg/l	7.74 ±	0.325	0.929	12
Bisoprolol	AZ10 A	µg/l	1.12 ±	0.196	0.235	21
	AZ10 B	µg/l	1.88 ±	0.267	0.32	17
Carbamazepine	AZ10 A	µg/l	0.821 ±	0.0231	0.107	13
	AZ10 B	µg/l	0.925 ±	0.0475	0.12	13
Cyclamate	AZ10 A	µg/l	0.652 ±	0.0208	0.196	30
	AZ10 B	µg/l	0.427 ±	0.0408	0.128	30
Diazepam	AZ10 A	µg/l	0.544 ±	0.0272	0.0381	7
	AZ10 B	µg/l	0.275 ±	0.0192	0.0275	10
Diclofenac	AZ10 A	µg/l	0.913 ±	0.106	0.21	23
	AZ10 B	µg/l	4.07 ±	0.211	0.569	14
Ibuprofen	AZ10 A	µg/l	0.948 ±	0.0866	0.133	14
	AZ10 B	µg/l	2.26 ±	0.124	0.204	9
Iopamidol	AZ10 A	µg/l	1.95 ±	0.125	0.449	23
	AZ10 B	µg/l	40 ±	4.79	9.19	23
Metoprolol	AZ10 A	µg/l	0.365 ±	0.0196	0.0729	20
	AZ10 B	µg/l	0.937 ±	0.106	0.206	22
Saccharin *	AZ10 A	µg/l	- ±	-	-	-
	AZ10 B	µg/l	1.02 ±	0.091	0.224	22
Sotalol	AZ10 A	µg/l	0.426 ±	0.0203	0.0937	22
	AZ10 B	µg/l	1.9 ±	0.148	0.417	22
Sucralose	AZ10 A	µg/l	2.93 ±	0.216	0.878	30
	AZ10 B	µg/l	26 ±	1.99	7.81	30
Sulfamethoxazole	AZ10 A	µg/l	0.191 ±	0.0095	0.023	12

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
Sulfamethoxazole	AZ10 B	µg/l	0.426 ±	0.0171	0.0511	12

* For the following substances, the calculated mean values MV +/- U(k=2) based on the data of the laboratories (n) are listed for information. These can be used for comparison as part of your internal QA measures:

AZ10 A: 4-Acetylaminoantipyrine (n=6): 0.537 +/- 0.030 µg/l U(k=2)

AZ10 A: 4-Formylaminoantipyrine (n=5): 0.263 +/- 0.0229 µg/l U(k=2)

AZ10 A: Saccharin (n=5): 0.986 +/- 0.051 µg/l U(k=2)

AZ10 B: 4-Acetylaminoantipyrine (n=5): 3.54 +/- 0.23 µg/l U(k=2)

AZ10 B: 4-Formylaminoantipyrine (n=4): 5.85 +/- 0.175 µg/l U(k=2)

E6.2. Summary of results, after removal of outliers

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean	± CI (99%)	Minimum	Maximum	sR	vR [%]
4-Acetylaminoantipyrine	AZ10 A	6	0	µg/l	-	± -	0.468	0.569	-	-
	AZ10 B	5	0	µg/l	-	± -	3.14	3.82	-	-
4-Formylaminoantipyrine	AZ10 A	5	1	µg/l	-	± -	0.238	0.301	-	-
	AZ10 B	4	1	µg/l	-	± -	5.69	6.09	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	AZ10 A	6	0	µg/l	0.508	± 0.117	0.372	0.643	0.0955	19
	AZ10 B	6	0	µg/l	1.38	± 0.251	1.1	1.62	0.205	15
Acesulfame	AZ10 A	14	3	µg/l	0.925	± 0.0668	0.723	1.04	0.0834	9
	AZ10 B	16	0	µg/l	0.898	± 0.105	0.587	1.19	0.14	16
Amidotrizoic acid	AZ10 A	16	0	µg/l	2.18	± 0.148	1.83	2.55	0.197	9.1
	AZ10 B	14	1	µg/l	3.18	± 0.401	1.98	4.24	0.501	16
Atenolol	AZ10 A	10	3	µg/l	0.869	± 0.0466	0.772	0.92	0.0491	5.6
	AZ10 B	11	2	µg/l	1.05	± 0.078	0.93	1.25	0.0863	8.2
Benzotriazole	AZ10 A	14	1	µg/l	0.399	± 0.0198	0.356	0.448	0.0247	6.2
	AZ10 B	13	1	µg/l	7.74	± 0.488	6.3	8.6	0.586	7.6
Bisoprolol	AZ10 A	6	0	µg/l	1.12	± 0.294	0.8	1.47	0.24	21
	AZ10 B	6	0	µg/l	1.88	± 0.401	1.4	2.22	0.327	17
Carbamazepine	AZ10 A	12	5	µg/l	0.821	± 0.0347	0.75	0.91	0.0401	4.9
	AZ10 B	16	1	µg/l	0.925	± 0.0713	0.77	1.16	0.095	10
Cyclamate	AZ10 A	7	4	µg/l	0.652	± 0.0312	0.626	0.694	0.0275	4.2
	AZ10 B	10	1	µg/l	0.427	± 0.0612	0.355	0.564	0.0645	15
Diazepam	AZ10 A	7	0	µg/l	0.544	± 0.0408	0.493	0.593	0.036	6.6
	AZ10 B	7	0	µg/l	0.275	± 0.0288	0.241	0.315	0.0254	9.2
Diclofenac	AZ10 A	15	0	µg/l	0.913	± 0.16	0.412	1.21	0.206	23
	AZ10 B	14	0	µg/l	4.07	± 0.317	3.4	4.66	0.395	9.7
Ibuprofen	AZ10 A	12	0	µg/l	0.948	± 0.111	0.787	1.21	0.128	14
	AZ10 B	12	0	µg/l	2.26	± 0.17	2	2.61	0.196	8.7
Iopamidol	AZ10 A	10	3	µg/l	1.95	± 0.187	1.53	2.3	0.197	10
	AZ10 B	12	0	µg/l	40	± 7.19	23.8	56.1	8.3	21
Metoprolol	AZ10 A	15	1	µg/l	0.365	± 0.0295	0.315	0.427	0.038	10
	AZ10 B	16	0	µg/l	0.924	± 0.154	0.383	1.18	0.205	22

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean	± CI (99%)	Minimum	Maximum	sR	vR [%]
Saccharin	AZ10 A	7	1	µg/l	-	± -	0.893	1.05	-	-
	AZ10 B	8	0	µg/l	1.02	± 0.137	0.885	1.25	0.129	13
Sotalol	AZ10 A	14	2	µg/l	0.426	± 0.0304	0.37	0.5	0.0379	8.9
	AZ10 B	14	1	µg/l	1.9	± 0.222	1.41	2.41	0.277	15
Sucralose	AZ10 A	8	1	µg/l	2.93	± 0.323	2.44	3.44	0.305	10
	AZ10 B	8	1	µg/l	26	± 2.99	21	29	2.82	11
Sulfamethoxazole	AZ10 A	18	1	µg/l	0.191	± 0.0143	0.14	0.222	0.0202	11
	AZ10 B	17	2	µg/l	0.425	± 0.0241	0.369	0.479	0.0331	7.8

E7. Parameterorientierte Auswertung / Parameter oriented report

4-Acetylaminoantipyrine	37
4-Formylaminoantipyrine	41
10,11-Dihydro-10,11-Dihydroxycarbamazepine.....	45
Acesulfame	53
Amidotrizoic acid	61
Atenolol	69
Benzotriazole	77
Bisoprolol	85
Carbamazepine	93
Cyclamate	101
Diazepam	109
Diclofenac	117
Ibuprofen	125
Iopamidol.....	133
Metoprolol	141
Saccharin	149
Sotalol	155
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Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: 4-Acetylaminoantipyrine

Parameter oriented report

AZ10 A

4-Acetylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.468 - 0.569
Control test value ± U (k=2)	0.683 ± 0.137

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.549	0.137	-	-	
LC0006	0.5302	0.1325	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.54	0.16	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.569	0.047	-	-	
LC0016	0.4677	0.1356	-	-	
LC0017	0.564	0.113	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

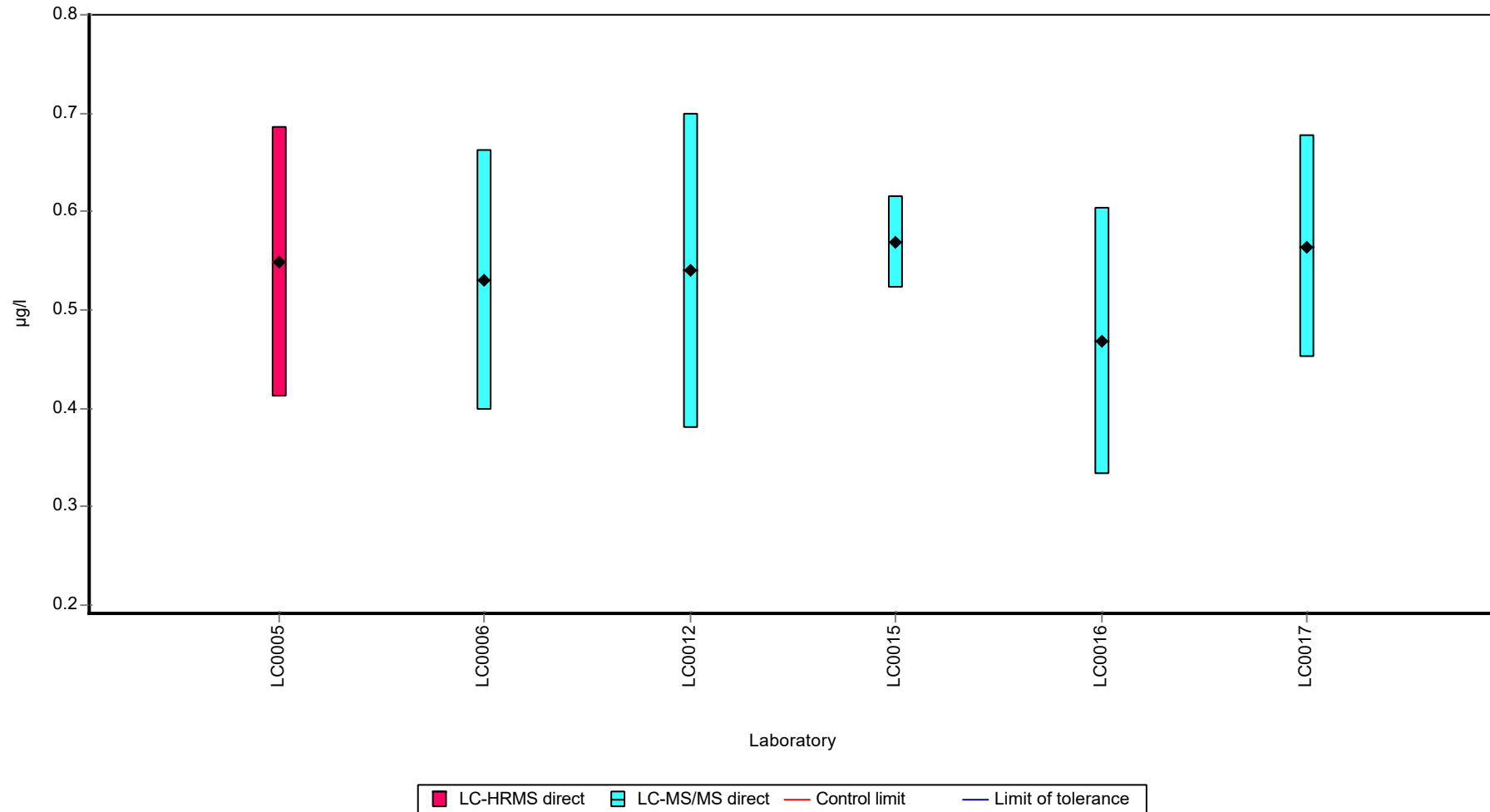
	all results	without outliers	Unit
Mean ± CI (99%)	0.537 ± 0.045	-	µg/l
Minimum	0.468	0.468	µg/l
Maximum	0.569	0.569	µg/l
Standard deviation	0.0368	-	µg/l
rel. standard deviation	6.85	-	%
n	6	6	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: 4-Acetylaminoantipyrine

Graphical presentation of results

Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: 4-Acetylaminoantipyrine

Parameter oriented report

AZ10 B

4-Acetylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	3.14 - 3.82
Control test value ± U (k=2)	4.64 ± 0.927

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	3.82	0.955	-	-	
LC0006	3.1445	0.4715	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	3.45	1.04	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	3.633	0.301	-	-	
LC0016	-	-	-	-	
LC0017	3.65	0.729	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

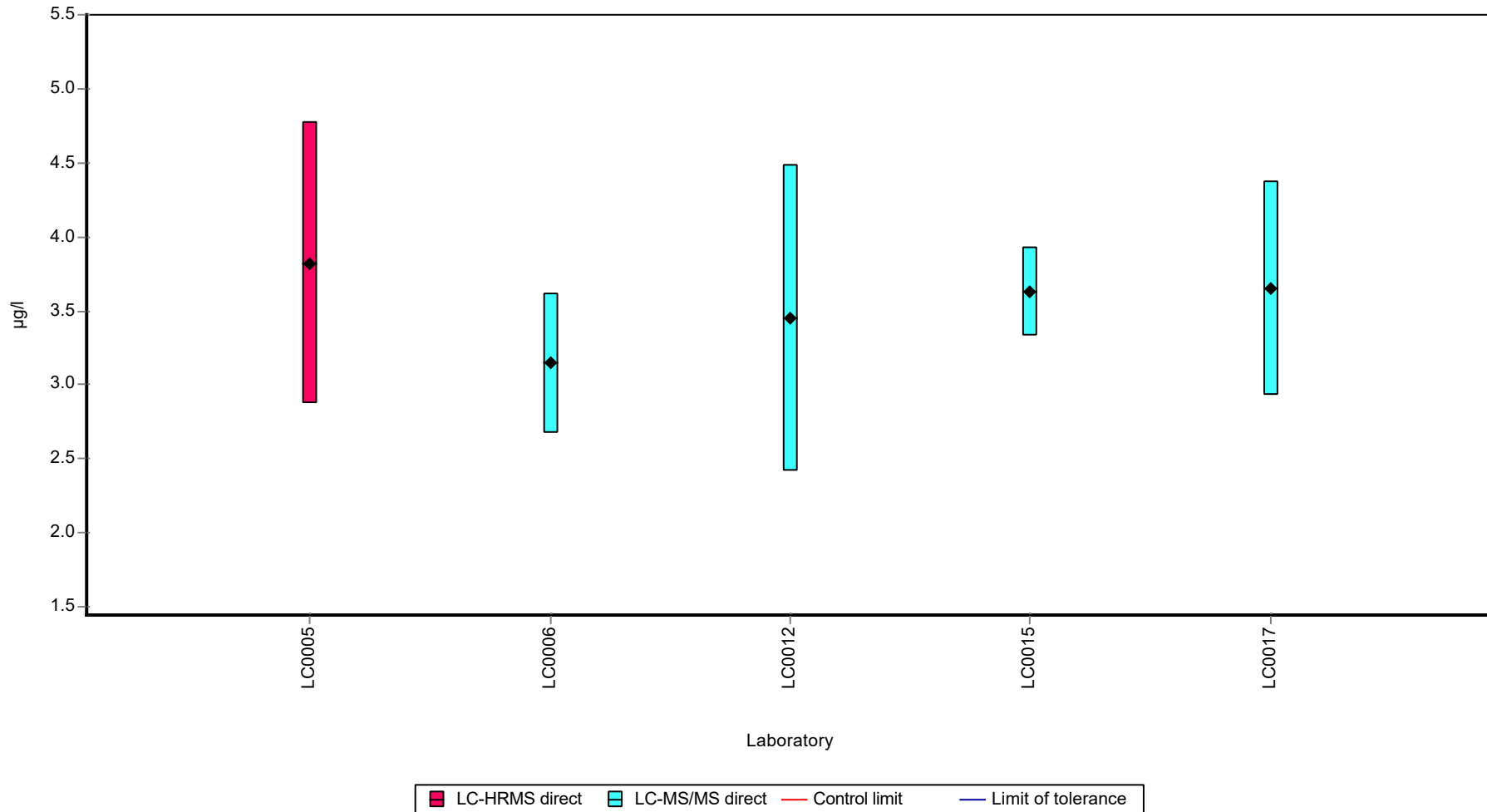
	all results	without outliers	Unit
Mean ± CI (99%)	3.54 ± 0.344	-	µg/l
Minimum	3.14	3.14	µg/l
Maximum	3.82	3.82	µg/l
Standard deviation	0.257	-	µg/l
rel. standard deviation	7.25	-	%
n	5	5	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: 4-Acetylaminoantipyrine

Graphical presentation of results

Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: 4-Formylaminoantipyrine

Parameter oriented report

AZ10 A

4-Formylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.238 - 0.301
Control test value ± U (k=2)	-

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	5.57	0.36	-	-	H
LC0005	0.248	0.062	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.251	0.075	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.276	0.024	-	-	
LC0016	0.2379	0.0619	-	-	
LC0017	0.301	0.06	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

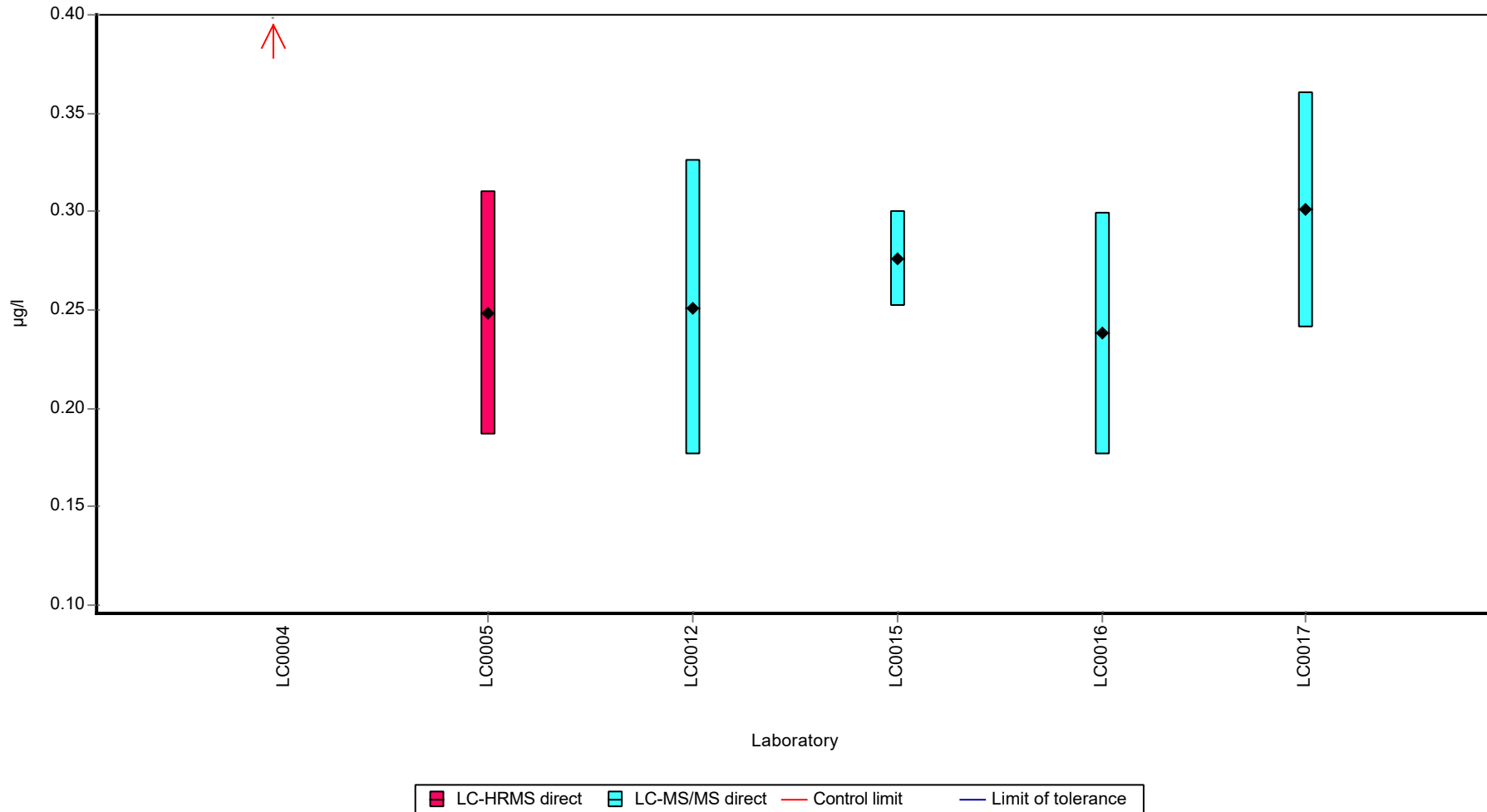
	all results	without outliers	Unit
Mean ± CI (99%)	1.15 ± 2.65	-	µg/l
Minimum	0.238	0.238	µg/l
Maximum	5.57	0.301	µg/l
Standard deviation	2.17	-	µg/l
rel. standard deviation	189	-	%
n	6	5	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: 4-Formylaminoantipyrine

Graphical presentation of results

Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: 4-Formylaminoantipyrine

Parameter oriented report

AZ10 B

4-Formylaminoantipyrine

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	5.69 - 6.09
Control test value ± U (k=2)	-

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	0.273	0.019	-	-	H
LC0005	5.76	1.44	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	5.69	1.71	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	5.877	0.519	-	-	
LC0016	-	-	-	-	
LC0017	6.09	1.217	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

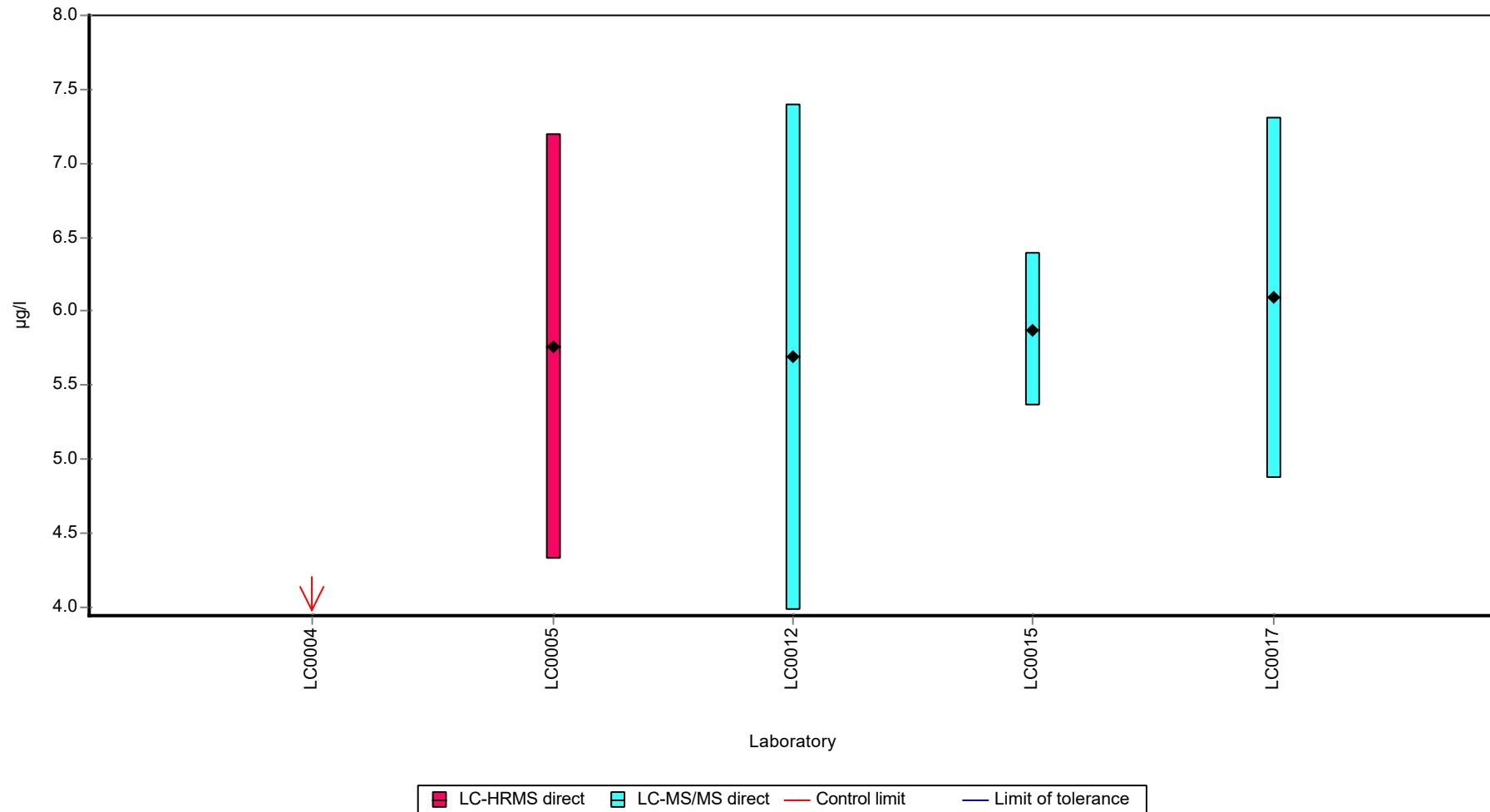
	all results	without outliers	Unit
Mean ± CI (99%)	4.74 ± 3.35	-	µg/l
Minimum	0.273	5.69	µg/l
Maximum	6.09	6.09	µg/l
Standard deviation	2.5	-	µg/l
rel. standard deviation	52.8	-	%
n	5	4	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: 4-Formylaminoantipyrine

Graphical presentation of results

Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

Parameter oriented report

AZ10 A

10,11-Dihydro-10,11-Dihydroxycarbamazepine

Unit	µg/l
Assigned value ± U (k=2)	0.508 ± 0.0779
Criterion	0.0965 (19 %)
Minimum - Maximum	0.372 - 0.643
Control test value ± U (k=2)	0.657 ± 0.131

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.484	0.032	95.3	-0.25	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.643	0.193	127	1.4	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.522	0.156	103	0.15	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.45	0.045	88.6	-0.6	
LC0016	0.3717	0.1115	73.2	-1.41	
LC0017	0.576	0.115	113	0.71	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

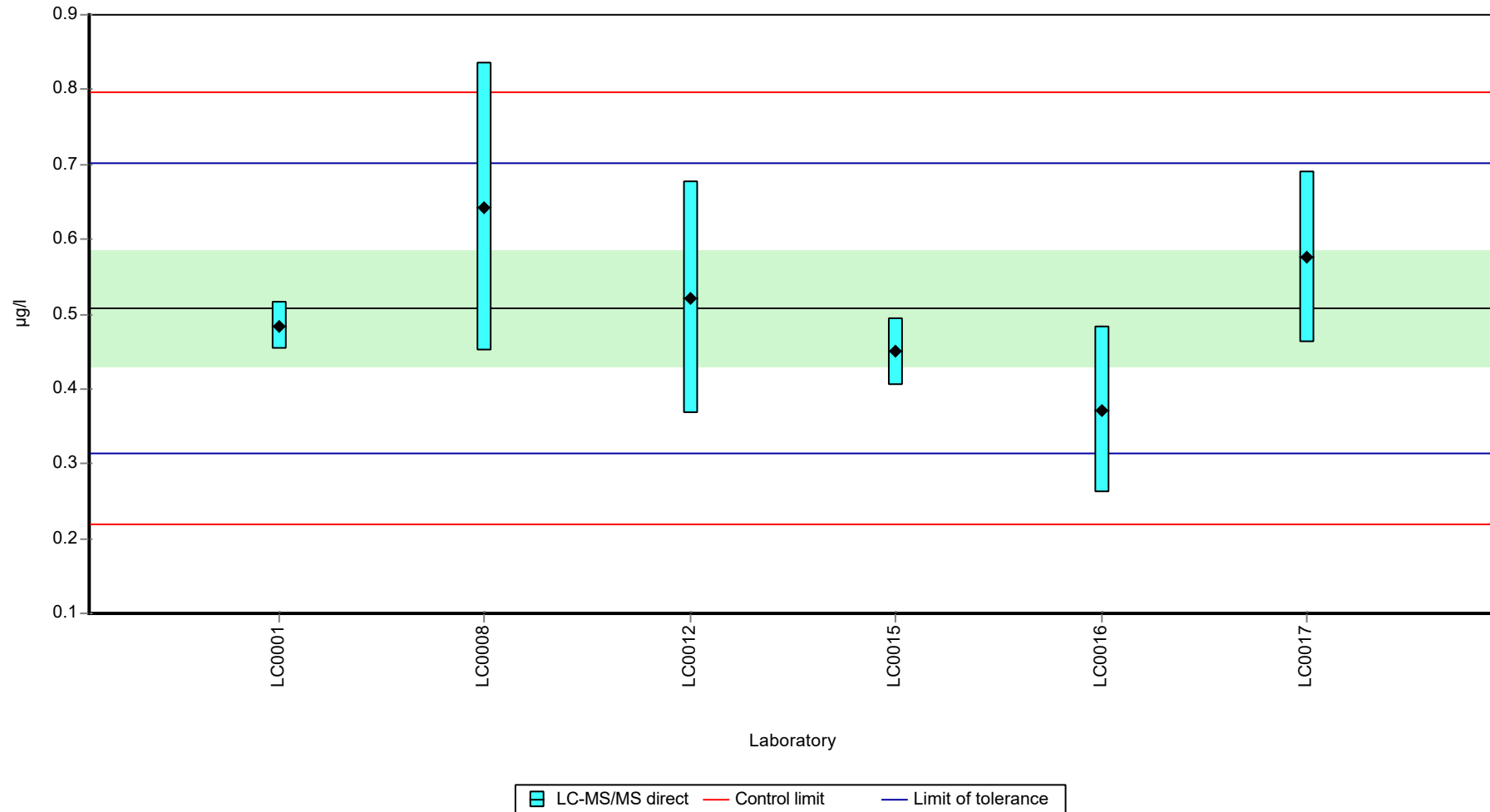
	all results	without outliers	Unit
Mean ± CI (99%)	0.508 ± 0.117	0.508 ± 0.117	µg/l
Minimum	0.372	0.372	µg/l
Maximum	0.643	0.643	µg/l
Standard deviation	0.0955	0.0955	µg/l
rel. standard deviation	18.8	18.8	%
n	6	6	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

Graphical presentation of results

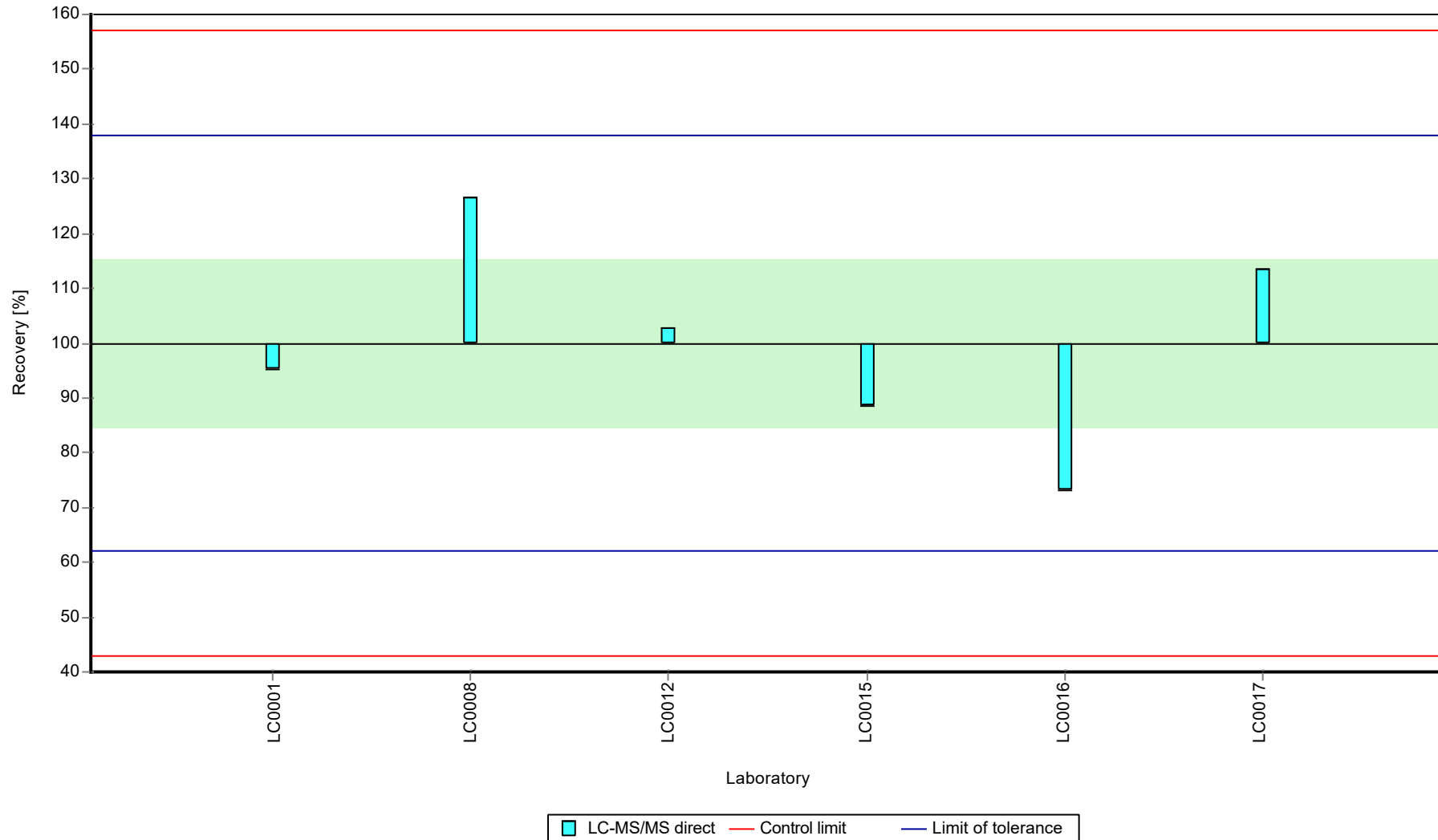
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

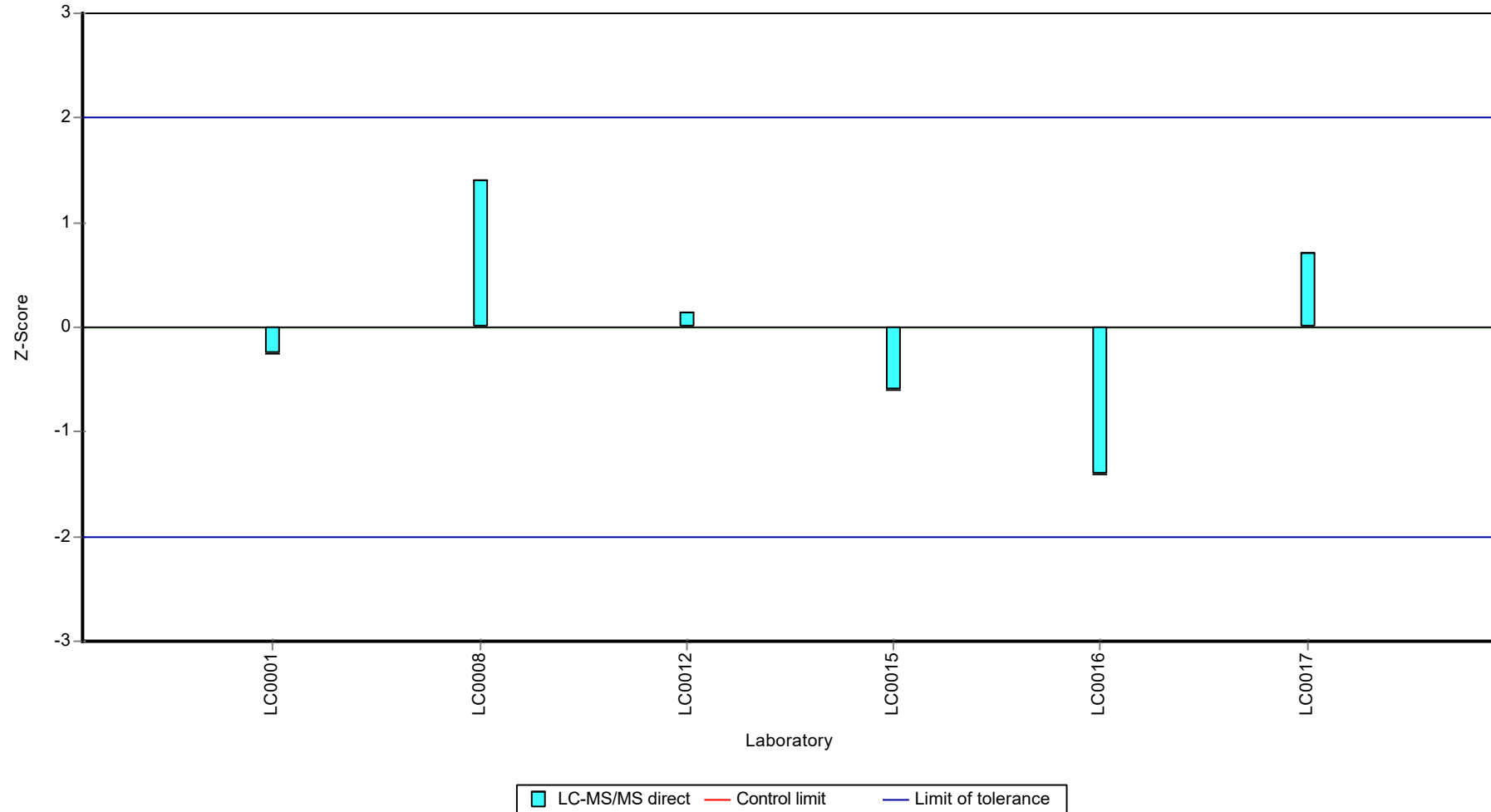
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

Z-score



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

Parameter oriented report

AZ10 B

10,11-Dihydro-10,11-Dihydroxycarbamazepine

Unit	µg/l
Assigned value ± U (k=2)	1.38 ± 0.168
Criterion	0.207 (15 %)
Minimum - Maximum	1.1 - 1.63
Control test value ± U (k=2)	1.69 ± 0.337

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.469	0.098	106	0.42	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	1.625	0.487	118	1.17	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	1.33	0.399	96.3	-0.25	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	1.202	0.121	87	-0.87	
LC0016	1.1041	0.3312	79.9	-1.34	
LC0017	1.56	0.313	113	0.86	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

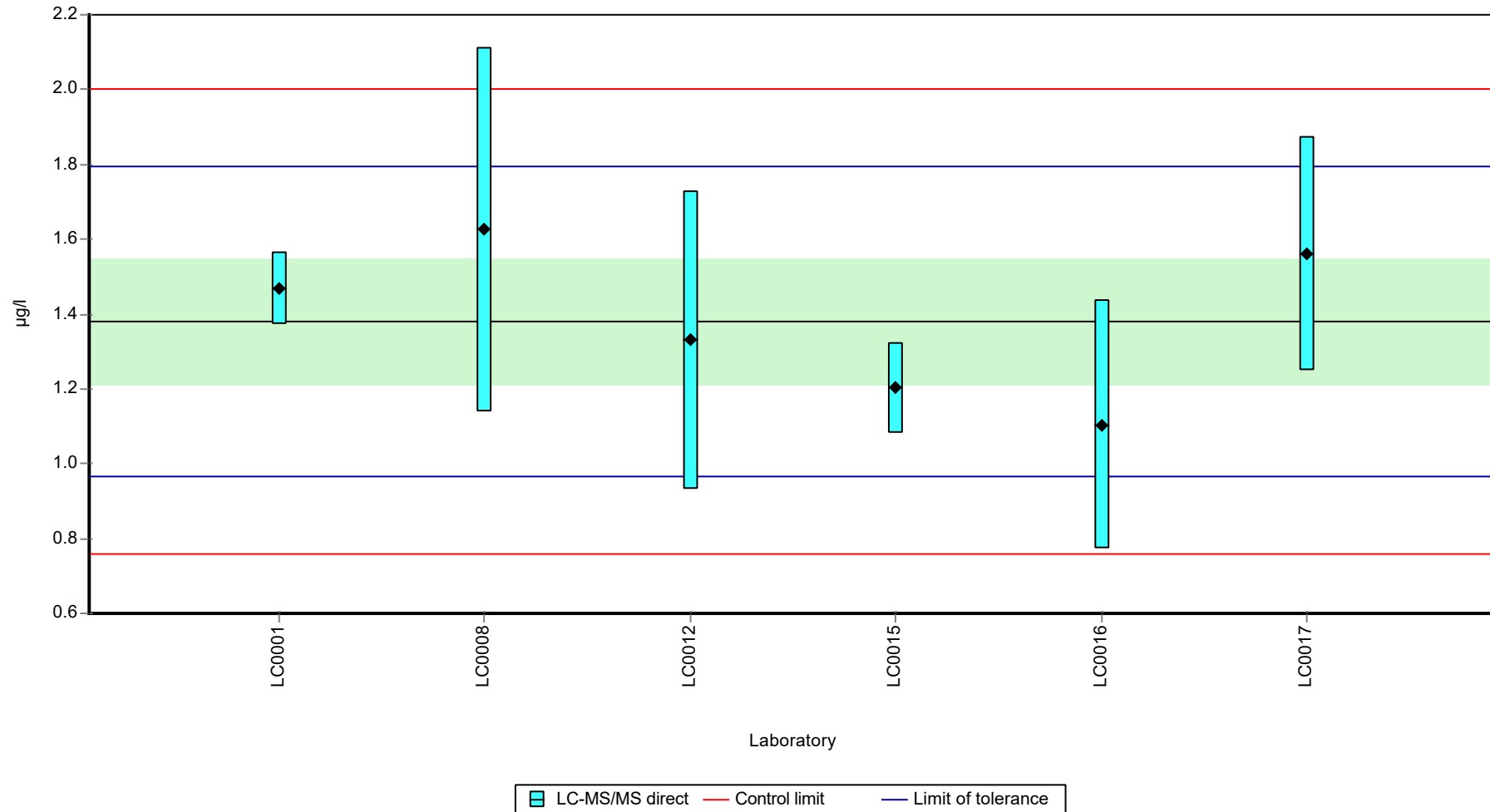
	all results	without outliers	Unit
Mean ± CI (99%)	1.38 ± 0.251	1.38 ± 0.251	µg/l
Minimum	1.1	1.1	µg/l
Maximum	1.63	1.63	µg/l
Standard deviation	0.205	0.205	µg/l
rel. standard deviation	14.9	14.9	%
n	6	6	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

Graphical presentation of results

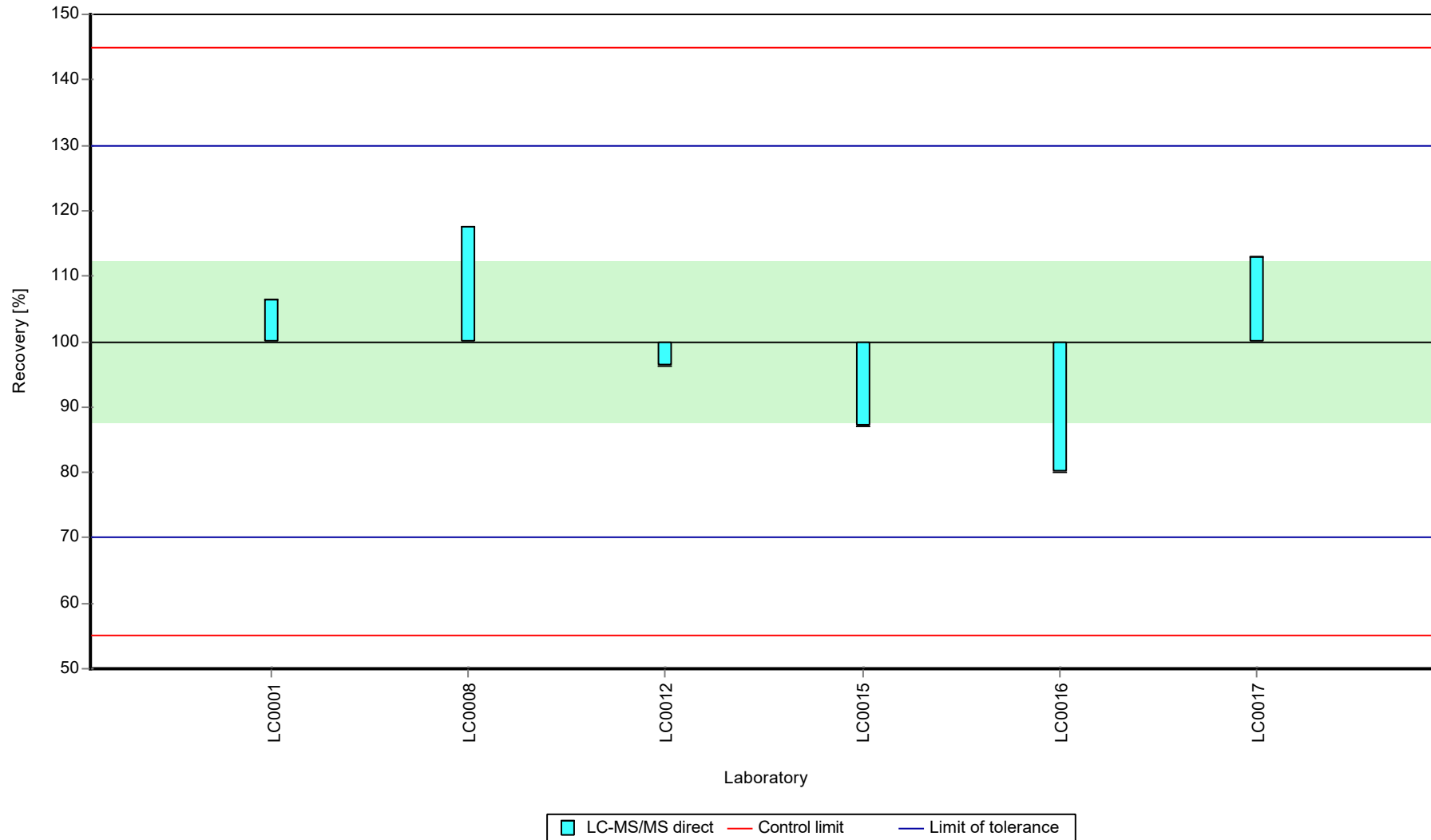
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

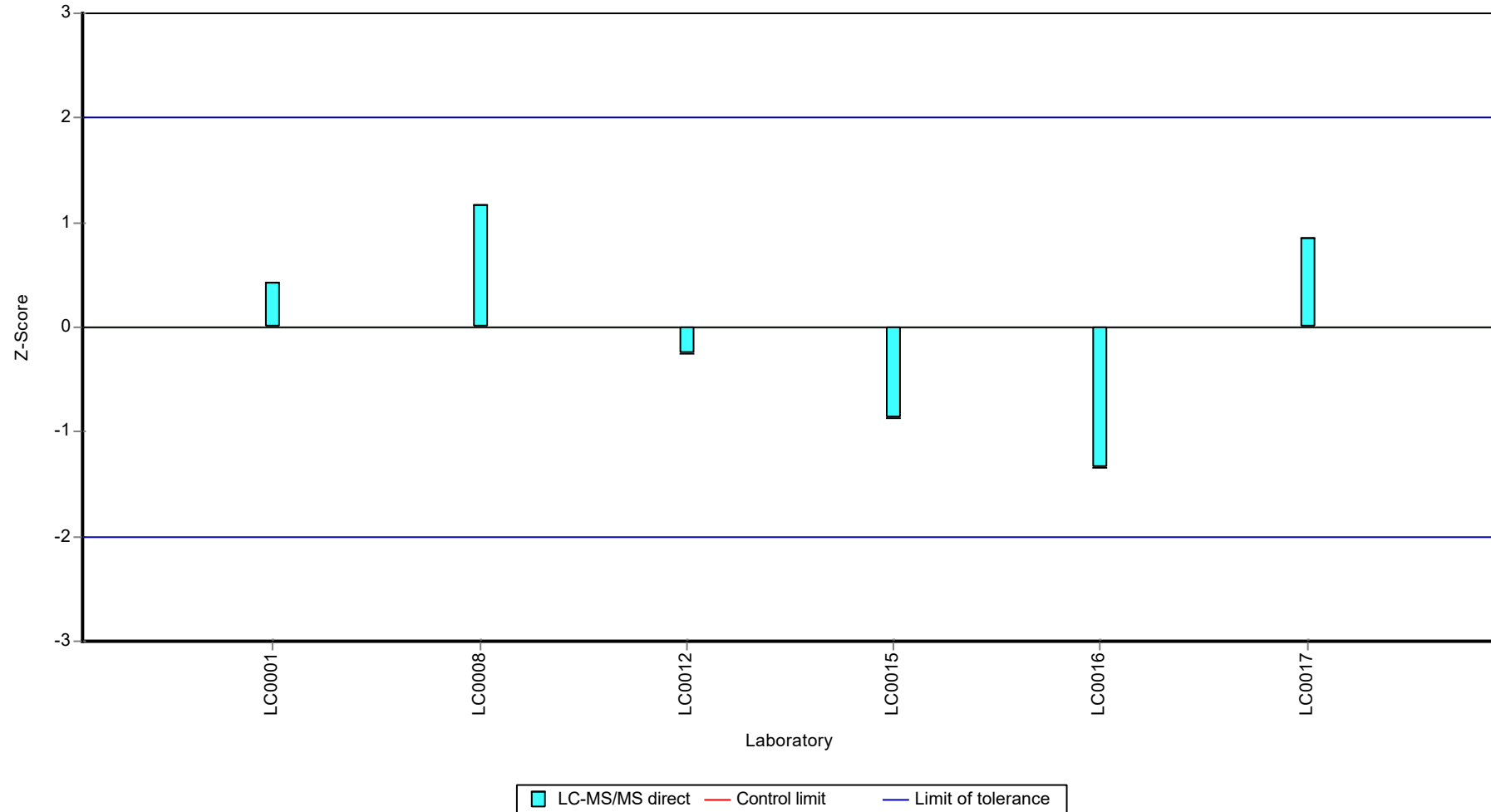
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: 10,11-Dihydro-10,11-Dihydroxycarbamazepine

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Acesulfame

Parameter oriented report

AZ10 A

Acesulfame

Unit	µg/l
Assigned value ± U (k=2)	0.918 ± 0.0628
Criterion	0.156 (17 %)
Minimum - Maximum	0.723 - 1.04
Control test value ± U (k=2)	1.36 ± 0.271

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.412	0.092	44.9	-3.24	H
LC0002	1.038	0.187	113	0.77	
LC0003	0.98	0.43	107	0.39	
LC0004	1.04	0.09	113	0.78	
LC0005	0.873	0.218	95.1	-0.29	
LC0006	0.9196	0.2299	100	0.01	
LC0007	1.03	0.207	112	0.71	
LC0008	0.723	0.145	78.7	-1.25	
LC0009	0.878	0.09	95.6	-0.26	
LC0010	1.2	0.18	131	1.8	H
LC0011	-	-	-	-	
LC0012	0.931	0.279	101	0.08	
LC0013	0.95	0.29	103	0.2	
LC0014	0.8865	0.1593	96.5	-0.2	
LC0015	0.913	0.136	99.4	-0.03	
LC0016	1.28	0.141	139	2.32	H
LC0017	0.899	0.179	97.9	-0.12	
LC0018	-	-	-	-	
LC0019	0.885	0.266	96.4	-0.21	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

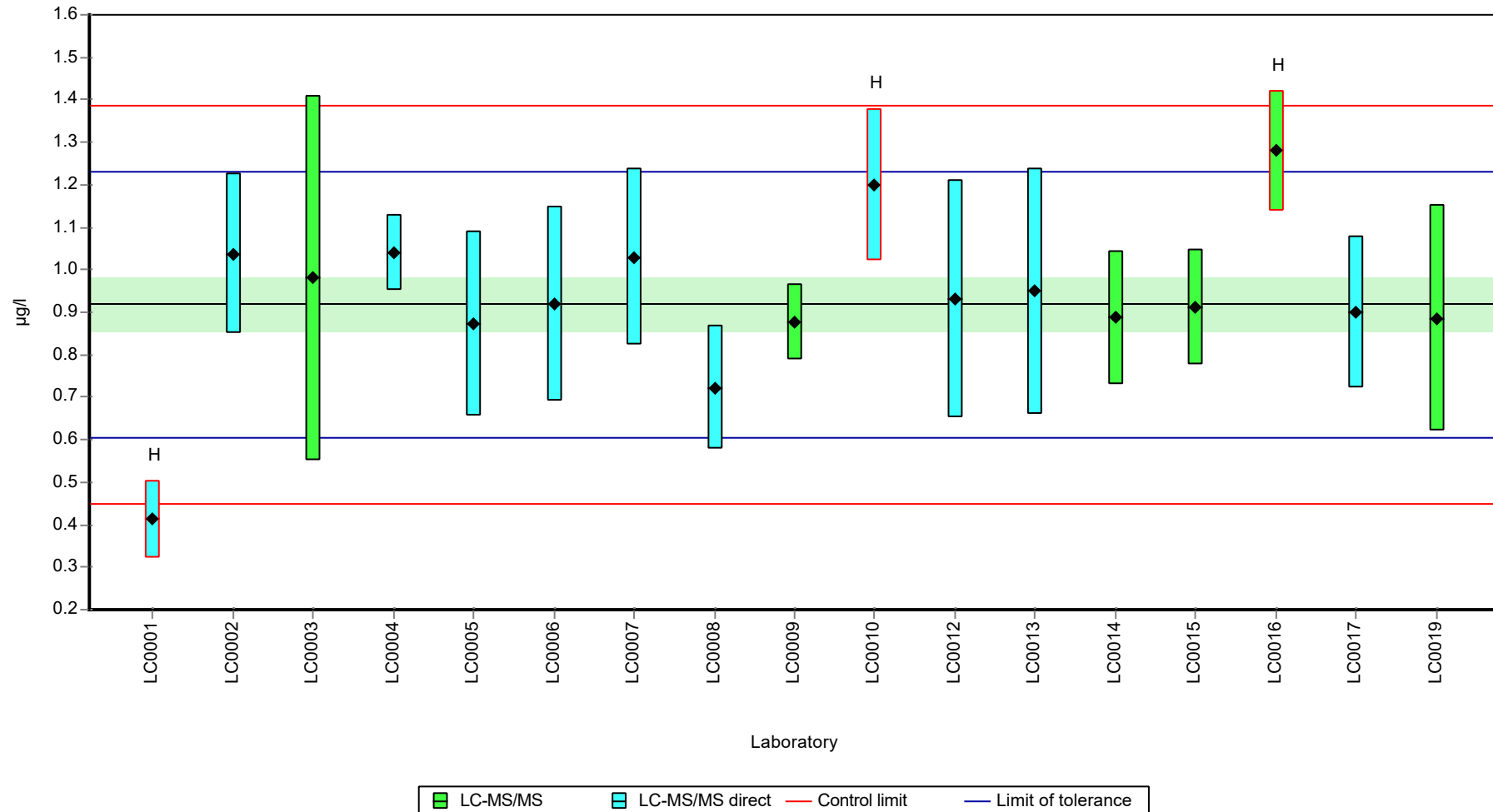
	all results	without outliers	Unit
Mean ± CI (99%)	0.932 ± 0.135	0.925 ± 0.0668	µg/l
Minimum	0.412	0.723	µg/l
Maximum	1.28	1.04	µg/l
Standard deviation	0.186	0.0834	µg/l
rel. standard deviation	20	9.02	%
n	17	14	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Acesulfame

Graphical presentation of results

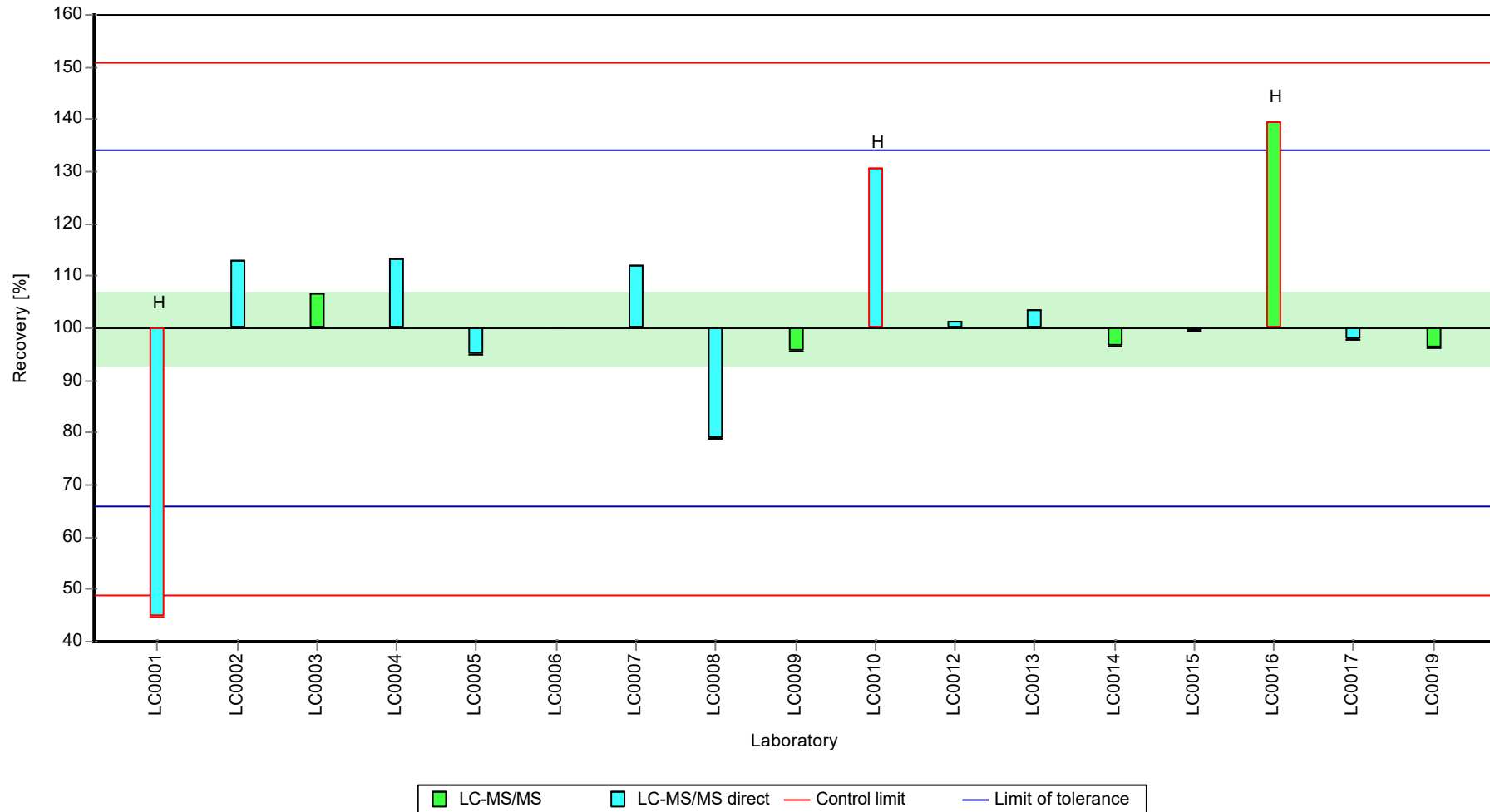
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Acesulfame

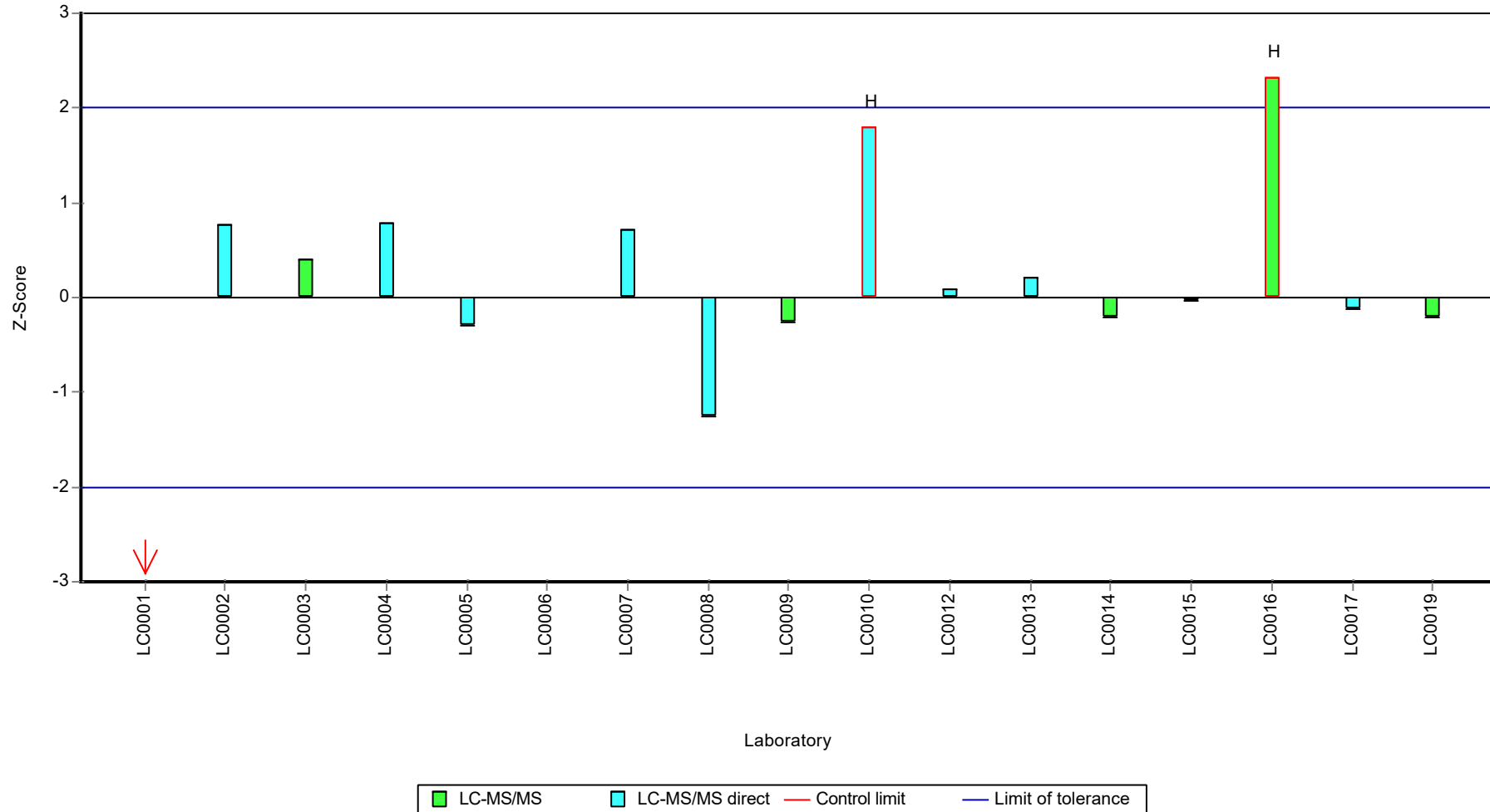
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Acesulfame

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Acesulfame

Parameter oriented report

AZ10 B

Acesulfame

Unit	µg/l
Assigned value ± U (k=2)	0.884 ± 0.0932
Criterion	0.15 (17 %)
Minimum - Maximum	0.587 - 1.19
Control test value ± U (k=2)	1.25 ± 0.25

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.587	0.131	66.4	-1.98	
LC0002	0.988	0.178	112	0.69	
LC0003	0.97	0.43	110	0.57	
LC0004	0.924	0.055	105	0.27	
LC0005	0.822	0.206	93	-0.41	
LC0006	-	-	-	-	
LC0007	0.902	0.18	102	0.12	
LC0008	0.723	0.145	81.8	-1.07	
LC0009	0.848	0.09	95.9	-0.24	
LC0010	1.1	0.165	124	1.44	
LC0011	-	-	-	-	
LC0012	0.84	0.252	95	-0.29	
LC0013	0.995	0.3	113	0.74	
LC0014	0.8201	0.1474	92.8	-0.42	
LC0015	0.89	0.133	101	0.04	
LC0016	1.19	0.131	135	2.04	
LC0017	0.871	0.174	98.5	-0.09	
LC0018	-	-	-	-	
LC0019	0.895	0.269	101	0.07	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

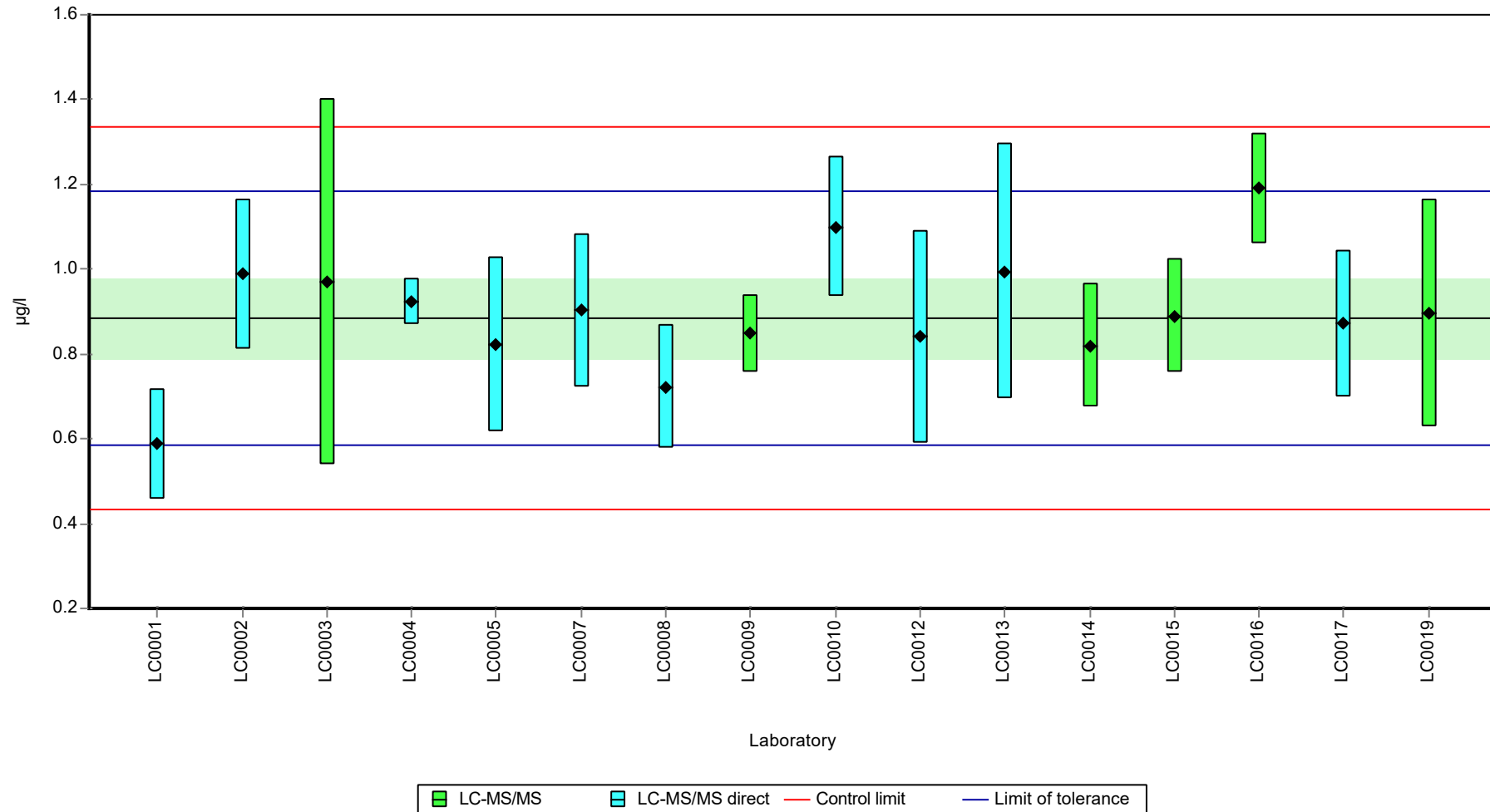
	all results	without outliers	Unit
Mean ± CI (99%)	0.898 ± 0.105	0.898 ± 0.105	µg/l
Minimum	0.587	0.587	µg/l
Maximum	1.19	1.19	µg/l
Standard deviation	0.14	0.14	µg/l
rel. standard deviation	15.6	15.6	%
n	16	16	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Acesulfame

Graphical presentation of results

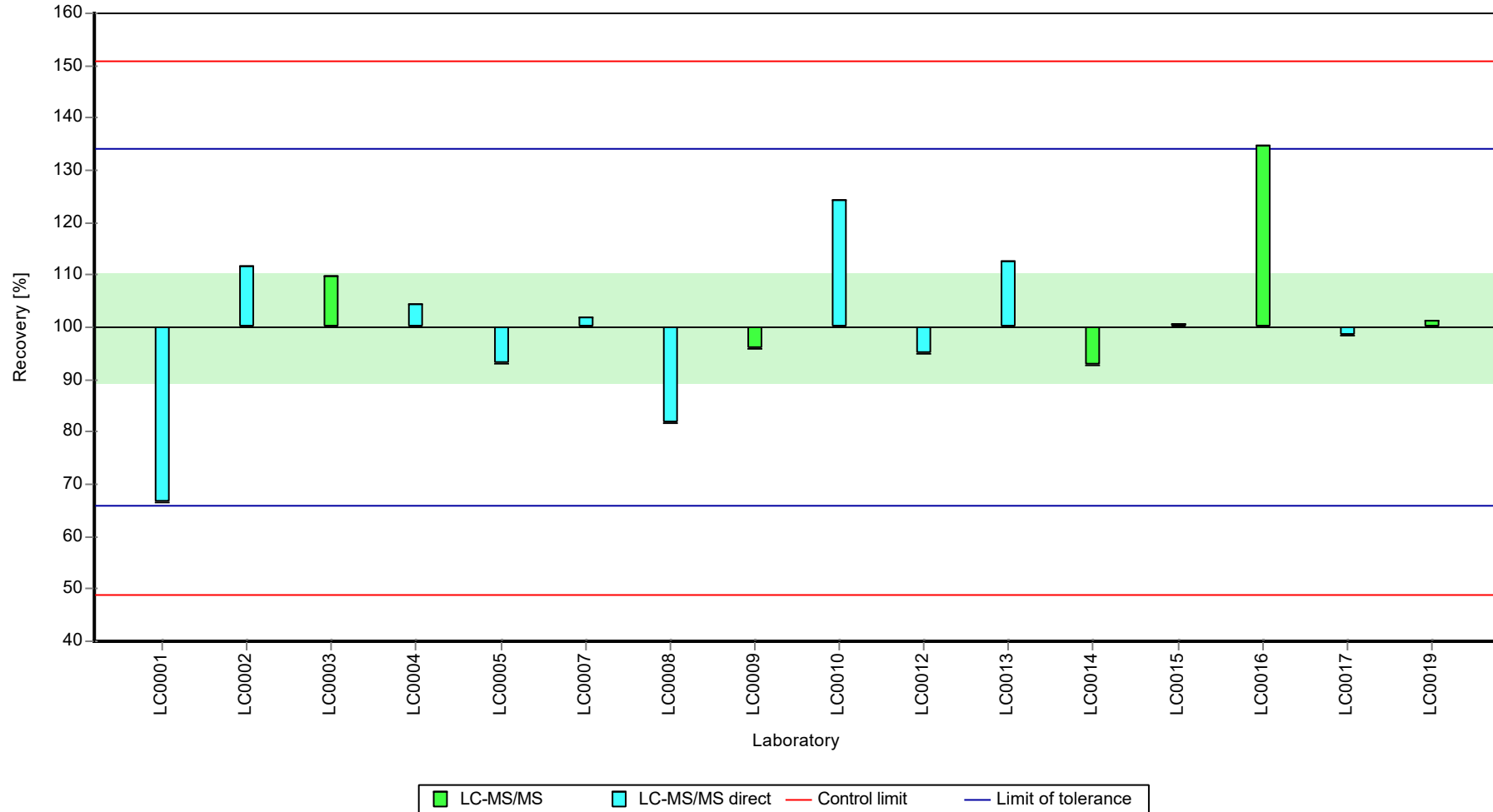
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Acesulfame

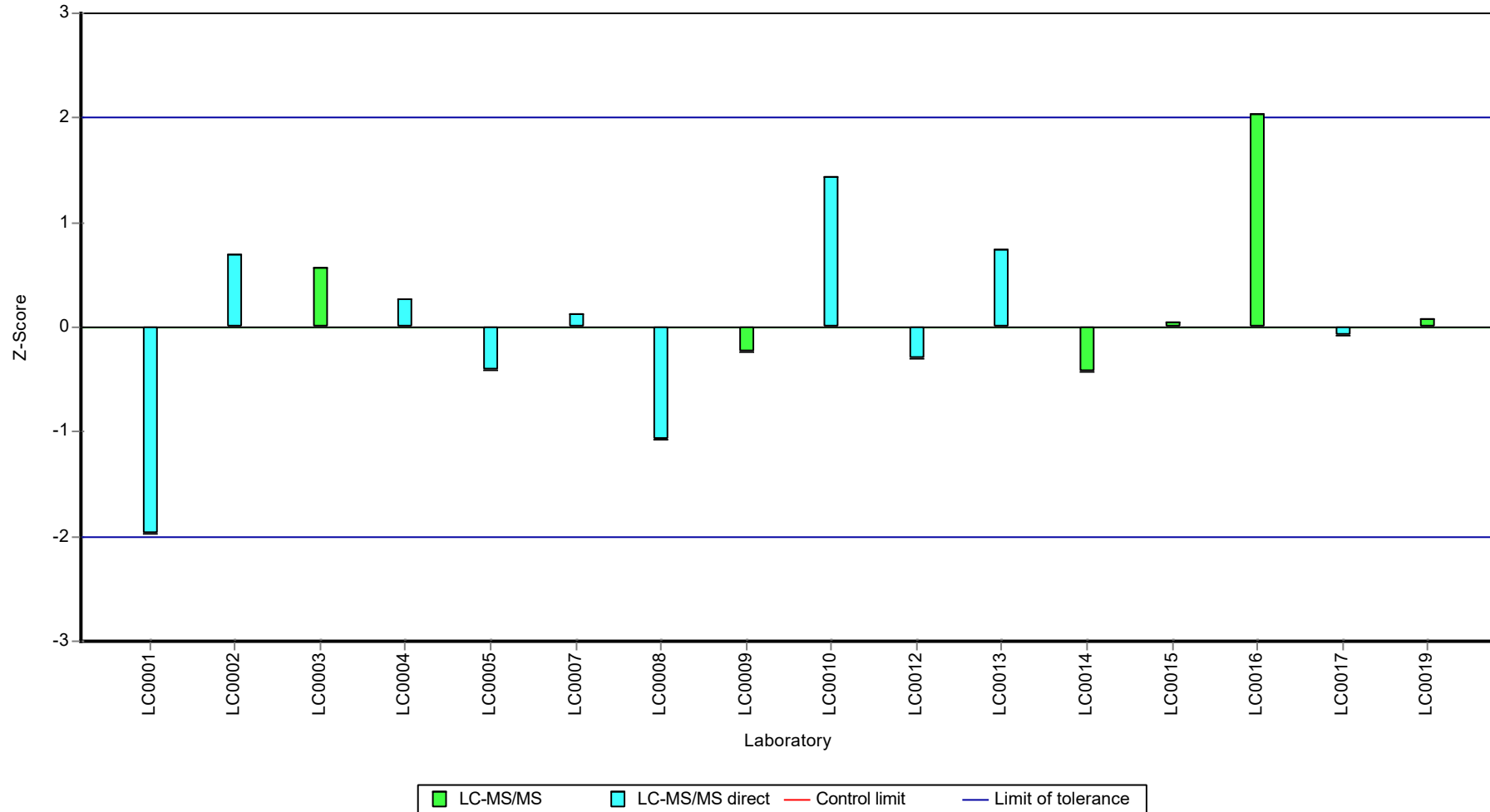
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Acesulfame

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Amidotrizoic acid

Parameter oriented report

AZ10 A

Amidotrizoic acid

Unit	µg/l
Assigned value ± U (k=2)	2.18 ± 0.0987
Criterion	0.544 (25 %)
Minimum - Maximum	1.83 - 2.55
Control test value ± U (k=2)	2.53 ± 0.507

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.23	0.499	102	0.1	
LC0002	2.099	0.378	96.5	-0.14	
LC0003	-	-	-	-	
LC0004	2.44	0.14	112	0.49	
LC0005	2.01	0.503	92.4	-0.3	
LC0006	2.0186	0.5046	92.8	-0.29	
LC0007	1.83	0.366	84.1	-0.64	
LC0008	2.205	0.551	101	0.05	
LC0009	2.101	0.63	96.6	-0.14	
LC0010	2.4	0.72	110	0.41	
LC0011	-	-	-	-	
LC0012	2.37	0.712	109	0.36	
LC0013	2.17	0.65	99.7	-0.01	
LC0014	1.8815	0.5645	86.5	-0.54	
LC0015	2.196	1.01	101	0.04	
LC0016	2.08	0.374	95.6	-0.18	
LC0017	2.55	0.509	117	0.69	
LC0018	-	-	-	-	
LC0019	2.23	0.446	102	0.1	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

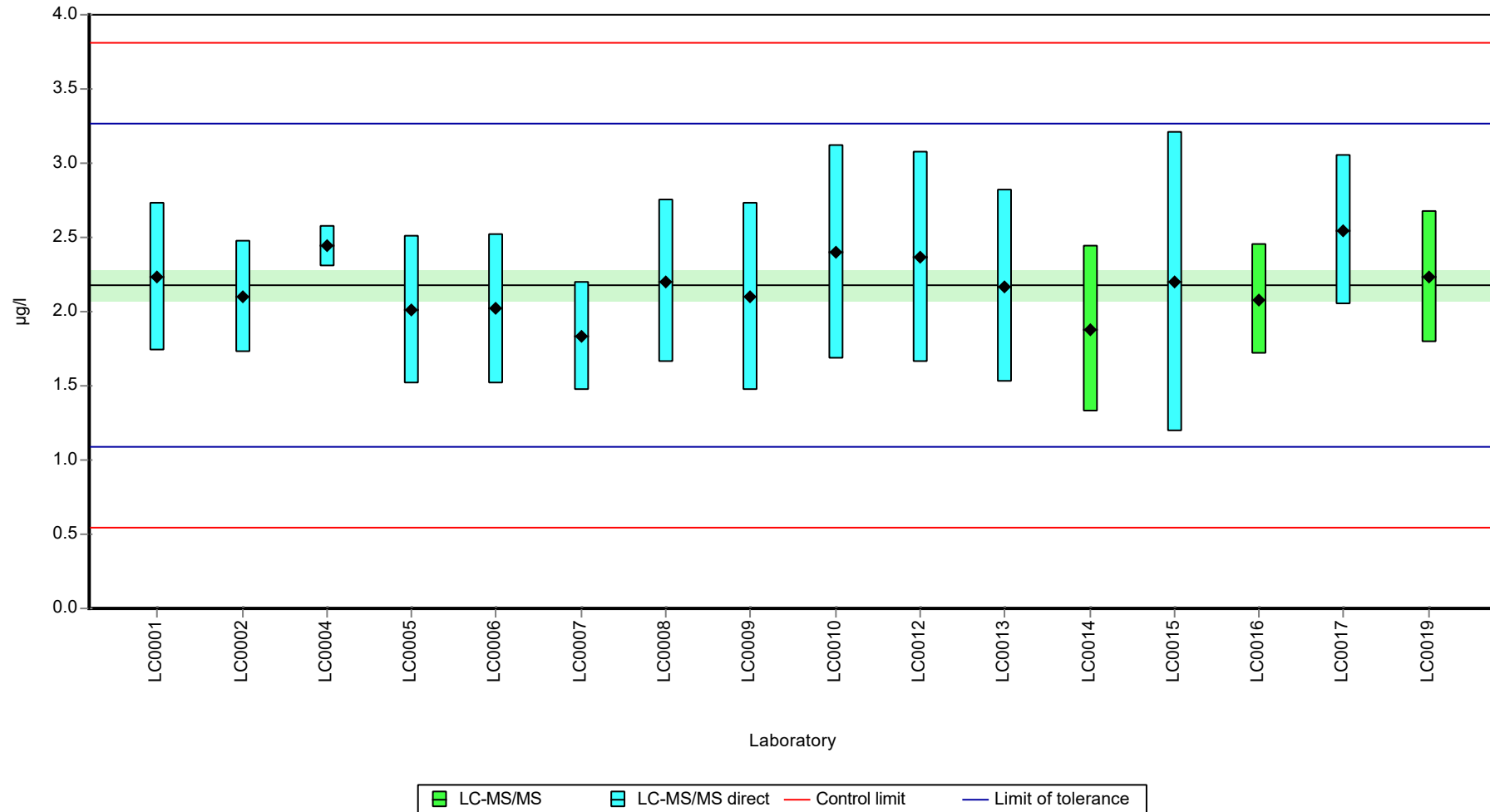
	all results	without outliers	Unit
Mean ± CI (99%)	2.18 ± 0.148	2.18 ± 0.148	µg/l
Minimum	1.83	1.83	µg/l
Maximum	2.55	2.55	µg/l
Standard deviation	0.197	0.197	µg/l
rel. standard deviation	9.07	9.07	%
n	16	16	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Amidotrizoic acid

Graphical presentation of results

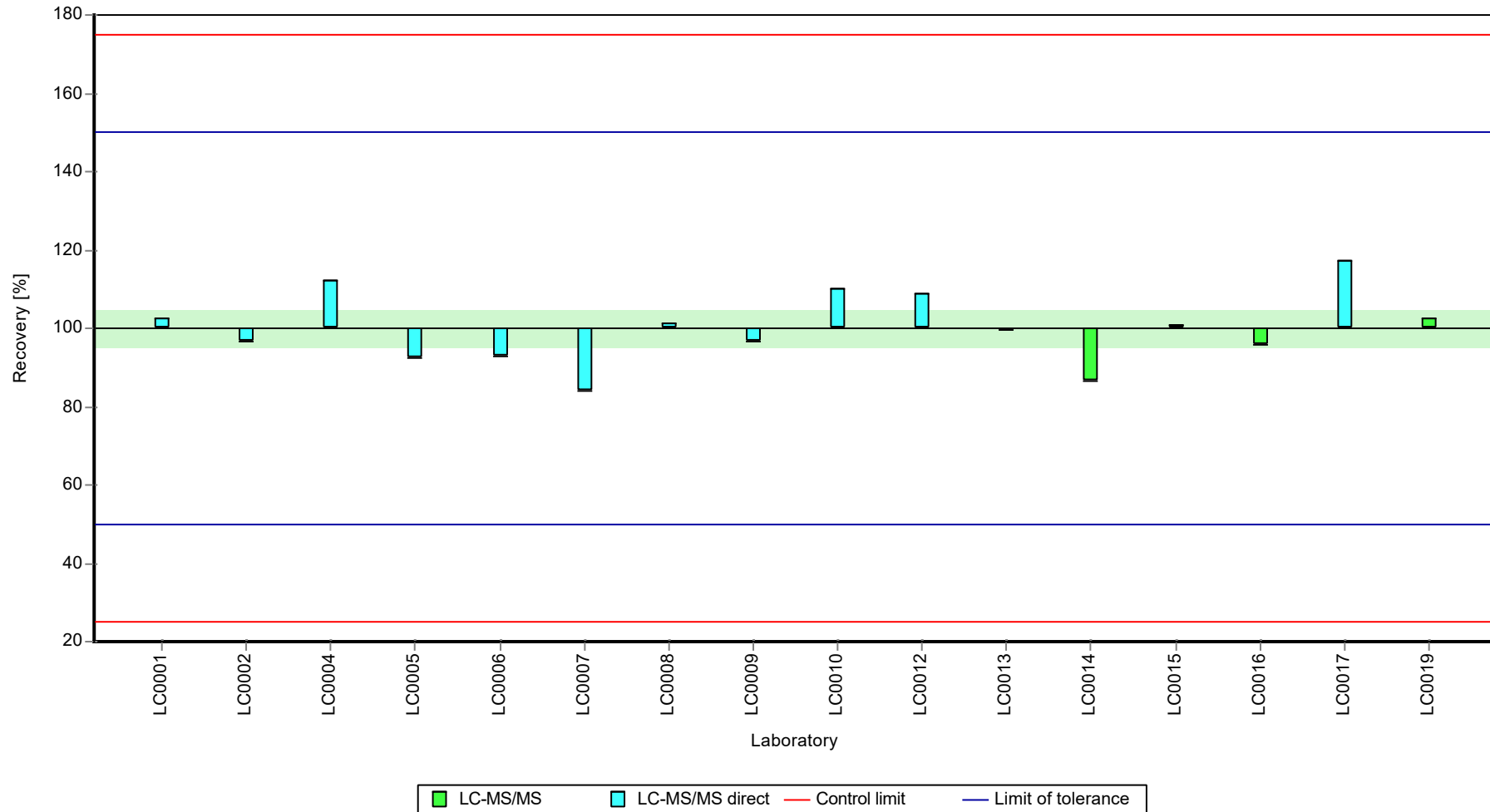
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Amidotrizoic acid

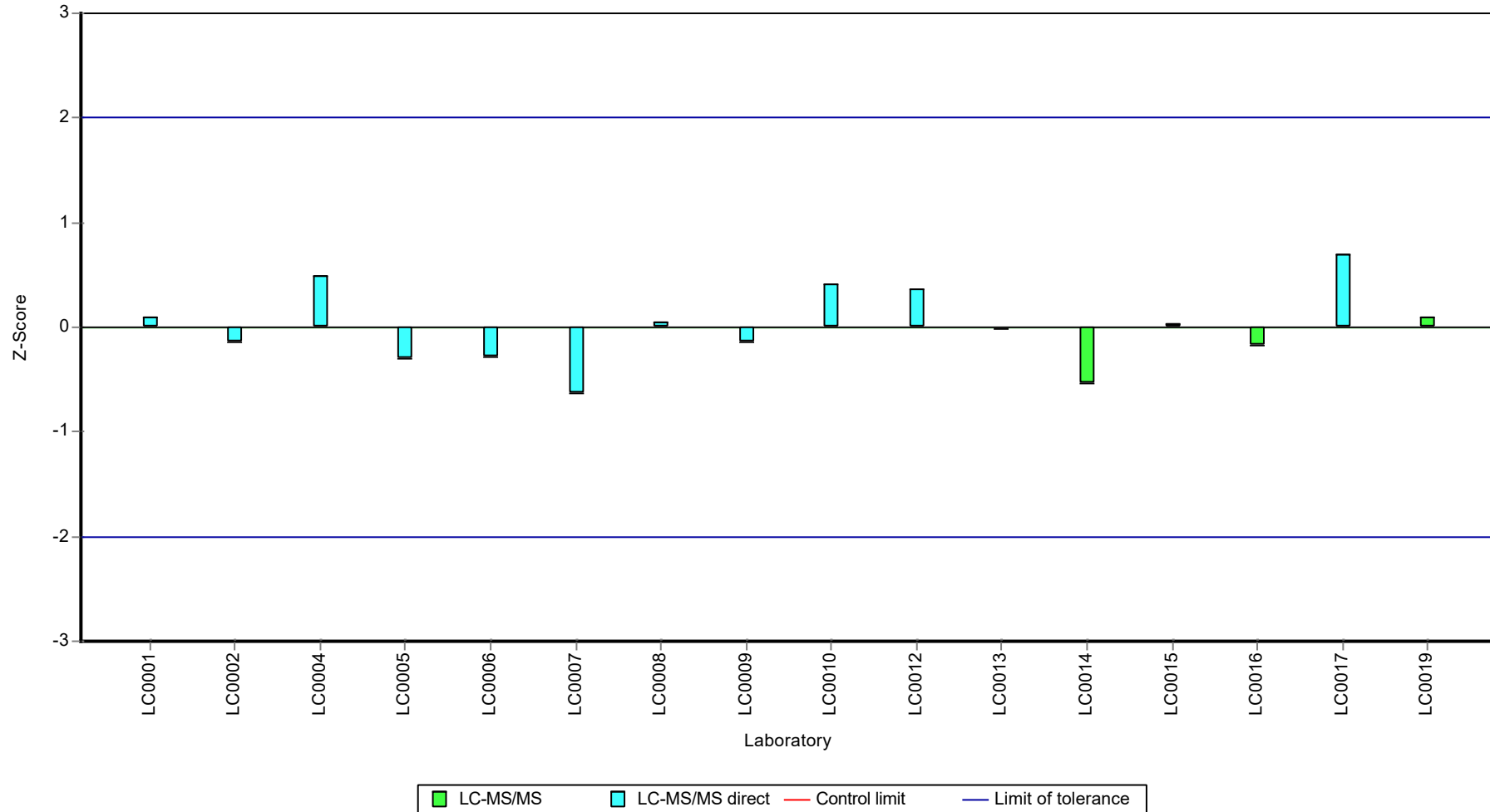
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Amidotrizoic acid

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Amidotrizoic acid

Parameter oriented report

AZ10 B

Amidotrizoic acid

Unit	µg/l
Assigned value ± U (k=2)	3.18 ± 0.268
Criterion	0.794 (25 %)
Minimum - Maximum	1.98 - 4.24
Control test value ± U (k=2)	3.64 ± 0.729

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.954	0.662	93	-0.28	
LC0002	3.376	0.608	106	0.25	
LC0003	-	-	-	-	
LC0004	1.84	0.19	57.9	-1.68	H
LC0005	2.97	0.743	93.5	-0.26	
LC0006	-	-	-	-	
LC0007	2.72	0.544	85.6	-0.57	
LC0008	3.441	0.86	108	0.33	
LC0009	2.917	0.88	91.8	-0.33	
LC0010	3.3	0.99	104	0.16	
LC0011	-	-	-	-	
LC0012	4.24	1.27	133	1.34	
LC0013	3.2	0.96	101	0.03	
LC0014	1.9842	0.6	62.5	-1.5	
LC0015	3.189	1.46	100	0.02	
LC0016	3.18	0.572	100	0.00	
LC0017	3.54	0.708	111	0.46	
LC0018	-	-	-	-	
LC0019	3.46	0.692	109	0.36	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

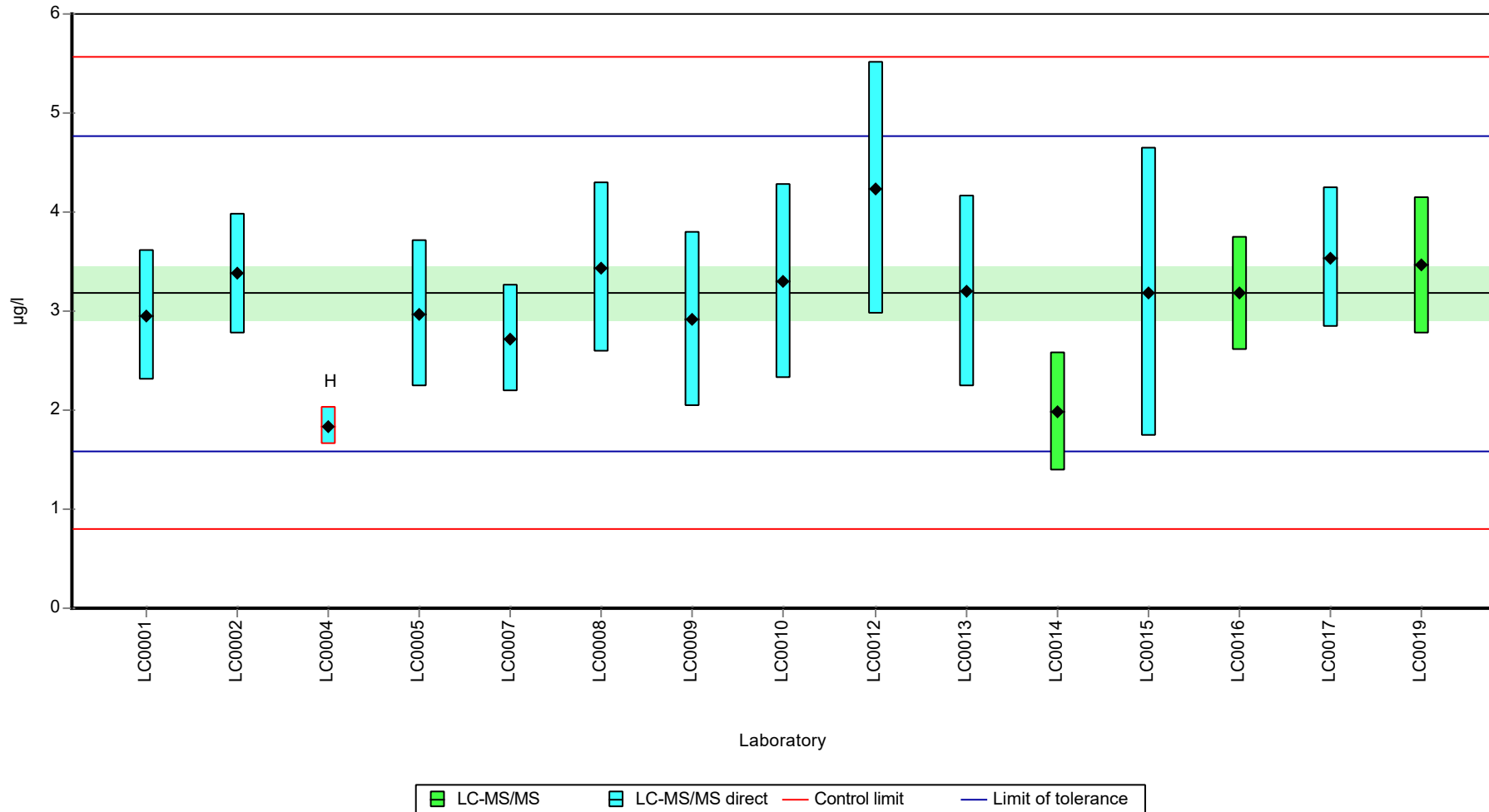
	all results	without outliers	Unit
Mean ± CI (99%)	3.09 ± 0.459	3.18 ± 0.401	µg/l
Minimum	1.84	1.98	µg/l
Maximum	4.24	4.24	µg/l
Standard deviation	0.593	0.501	µg/l
rel. standard deviation	19.2	15.8	%
n	15	14	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Amidotrizoic acid

Graphical presentation of results

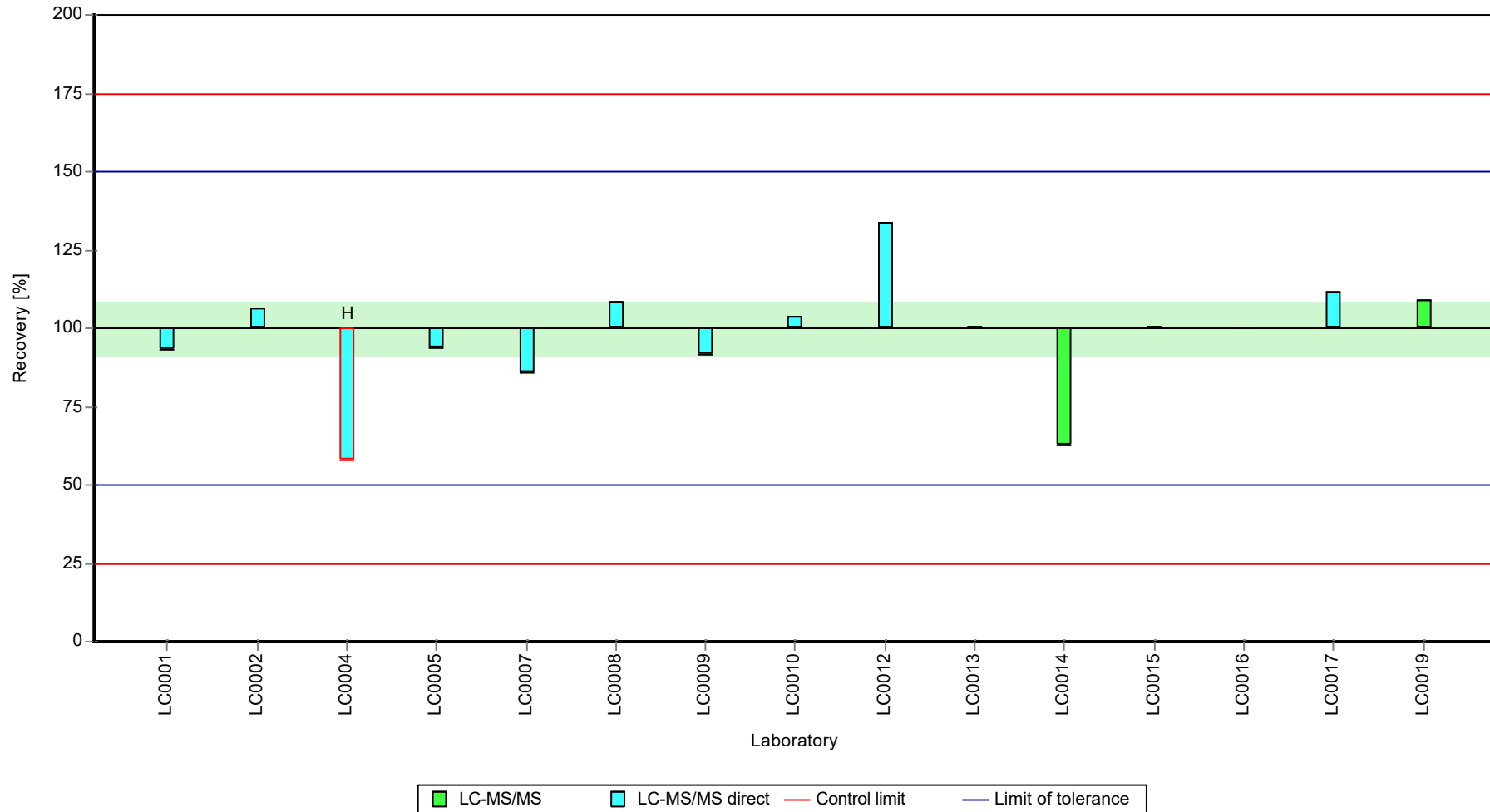
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Amidotrizoic acid

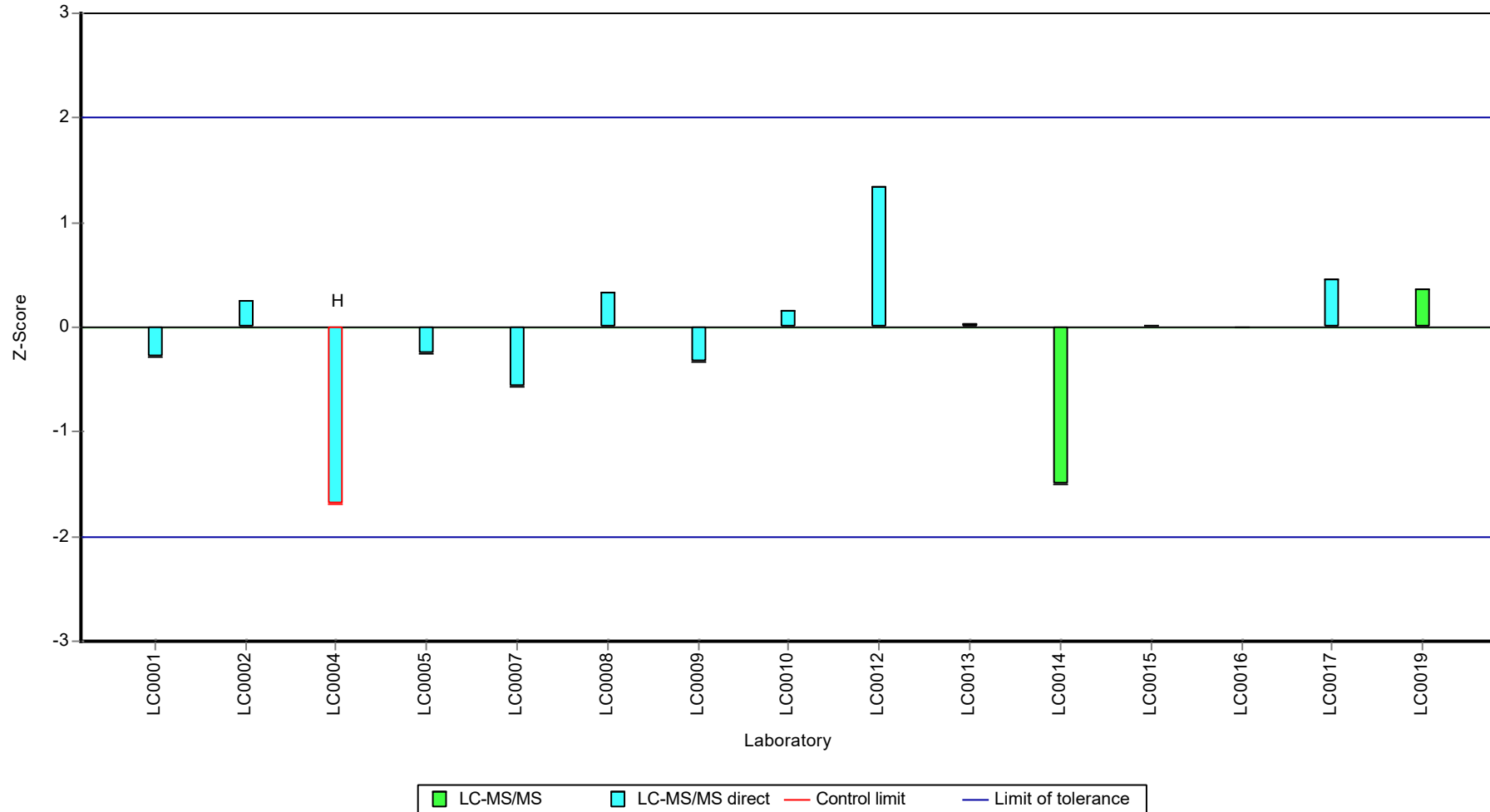
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Amidotrizoic acid

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Atenolol

Parameter oriented report

AZ10 A

Atenolol

Unit	µg/l
Assigned value ± U (k=2)	0.869 ± 0.031
Criterion	0.217 (25 %)
Minimum - Maximum	0.772 - 0.92
Control test value ± U (k=2)	1.08 ± 0.217

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.772	0.063	88.8	-0.45	
LC0002	0.904	0.163	104	0.16	
LC0003	-	-	-	-	
LC0004	1.19	0.1	137	1.48	H
LC0005	0.896	0.224	103	0.12	
LC0006	0.9202	0.23	106	0.23	
LC0007	0.871	0.078	100	0.01	
LC0008	1.08	0.378	124	0.97	H
LC0009	-	-	-	-	
LC0010	0.8	0.2	92	-0.32	
LC0011	-	-	-	-	
LC0012	0.871	0.261	100	0.01	
LC0013	0.85	0.26	97.8	-0.09	
LC0014	-	-	-	-	
LC0015	0.909	0.09	105	0.18	
LC0016	-	-	-	-	
LC0017	1.13	0.225	130	1.2	H
LC0018	0.9	0.09	104	0.14	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

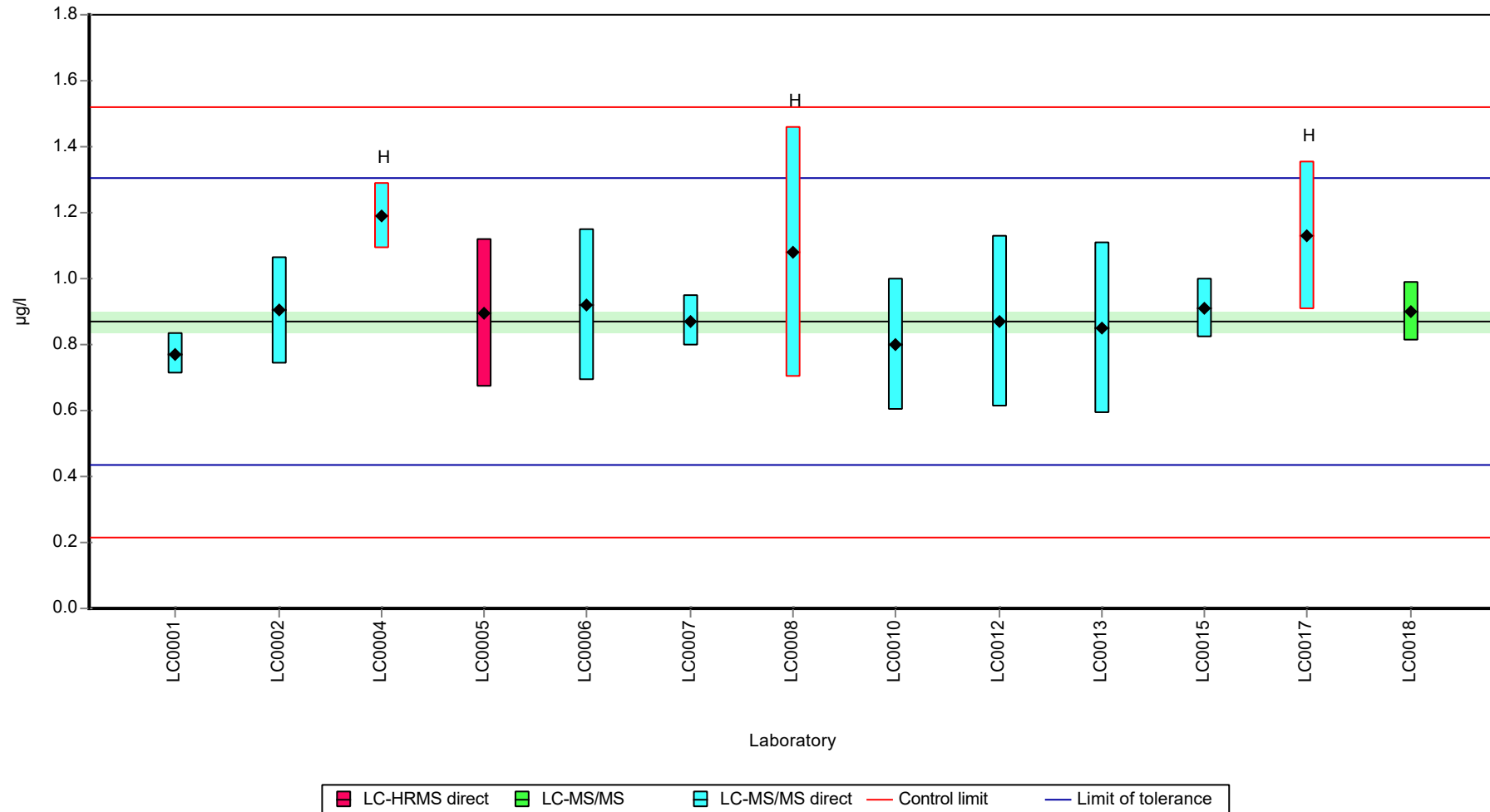
	all results	without outliers	Unit
Mean ± CI (99%)	0.93 ± 0.104	0.869 ± 0.0466	µg/l
Minimum	0.772	0.772	µg/l
Maximum	1.19	0.92	µg/l
Standard deviation	0.125	0.0491	µg/l
rel. standard deviation	13.5	5.65 %	
n	13	10	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Atenolol

Graphical presentation of results

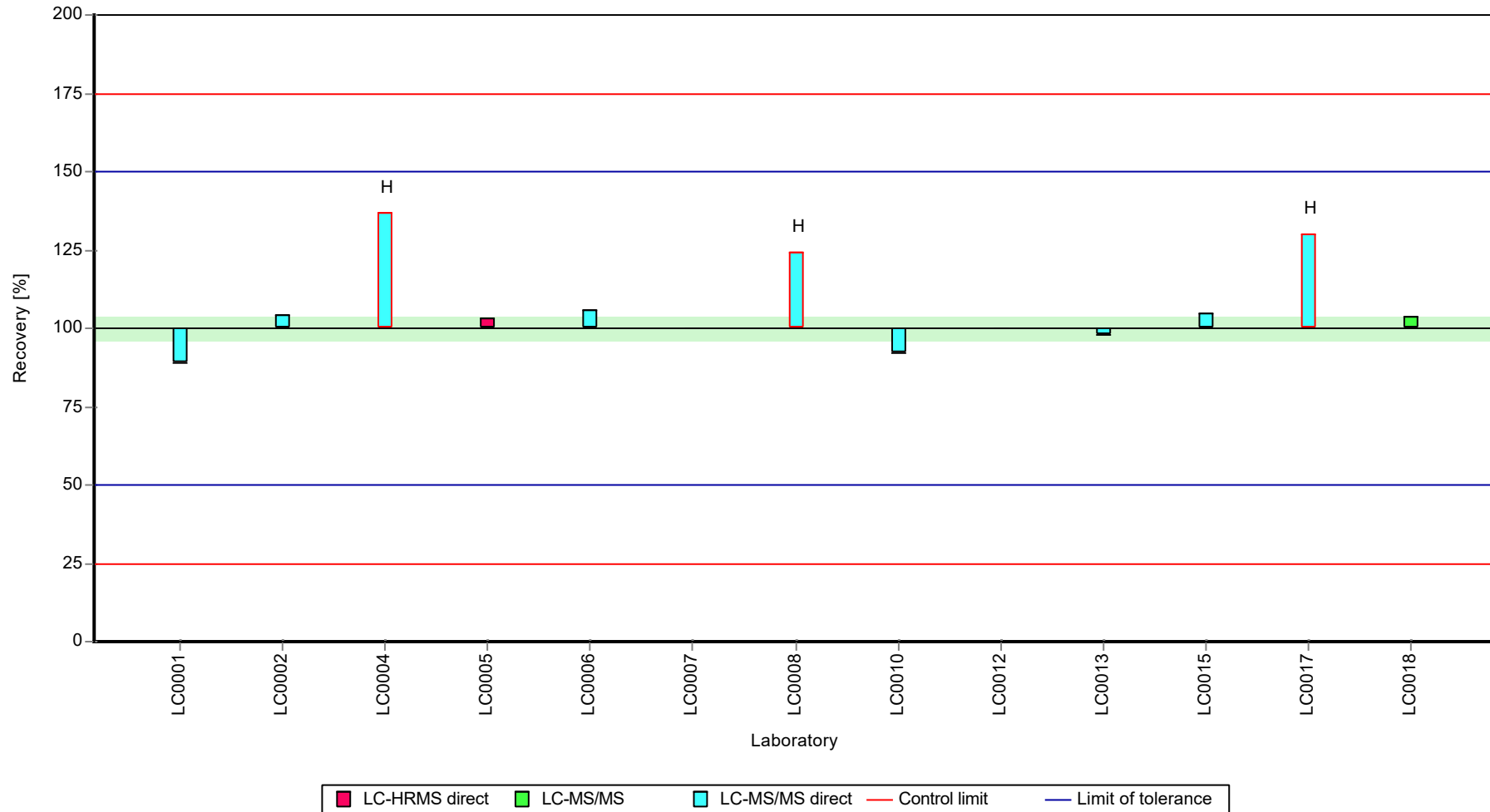
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Atenolol

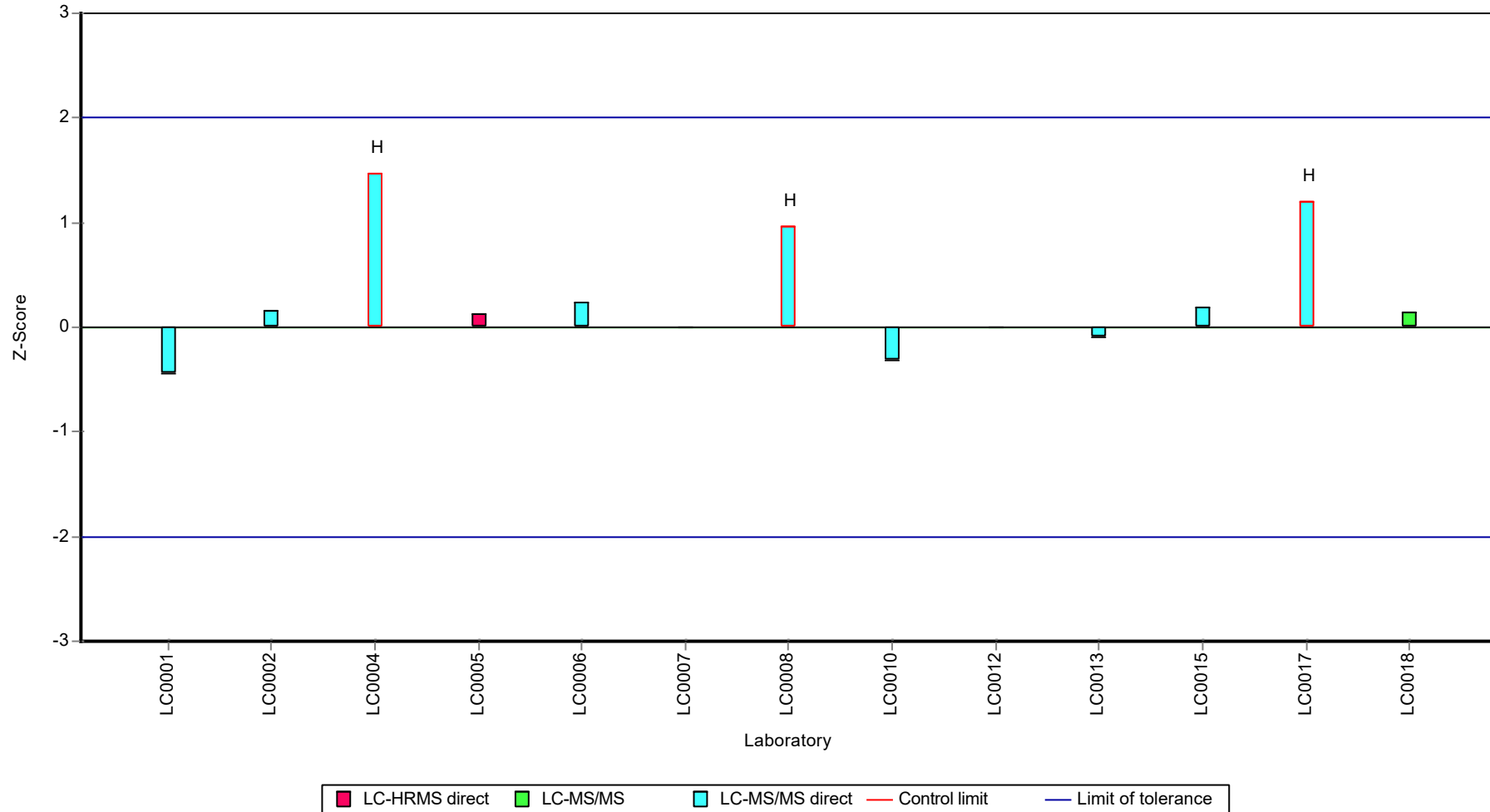
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Atenolol

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Atenolol

Parameter oriented report

AZ10 B

Atenolol

Unit	µg/l
Assigned value ± U (k=2)	1.05 ± 0.052
Criterion	0.263 (25 %)
Minimum - Maximum	0.93 - 1.25
Control test value ± U (k=2)	1.31 ± 0.262

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.681	0.056	64.6	-1.42	H
LC0002	1.072	0.193	102	0.07	
LC0003	-	-	-	-	
LC0004	1.01	0.12	95.8	-0.17	
LC0005	1.1	0.275	104	0.17	
LC0006	1.004	0.251	95.3	-0.19	
LC0007	1.02	0.092	96.8	-0.13	
LC0008	1.251	0.438	119	0.75	
LC0009	-	-	-	-	
LC0010	0.93	0.232	88.2	-0.47	
LC0011	-	-	-	-	
LC0012	1.04	0.312	98.7	-0.05	
LC0013	1.1	0.33	104	0.17	
LC0014	-	-	-	-	
LC0015	0.966	0.095	91.7	-0.33	
LC0016	-	-	-	-	
LC0017	1.37	0.273	130	1.2	H
LC0018	1.1	0.11	104	0.17	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

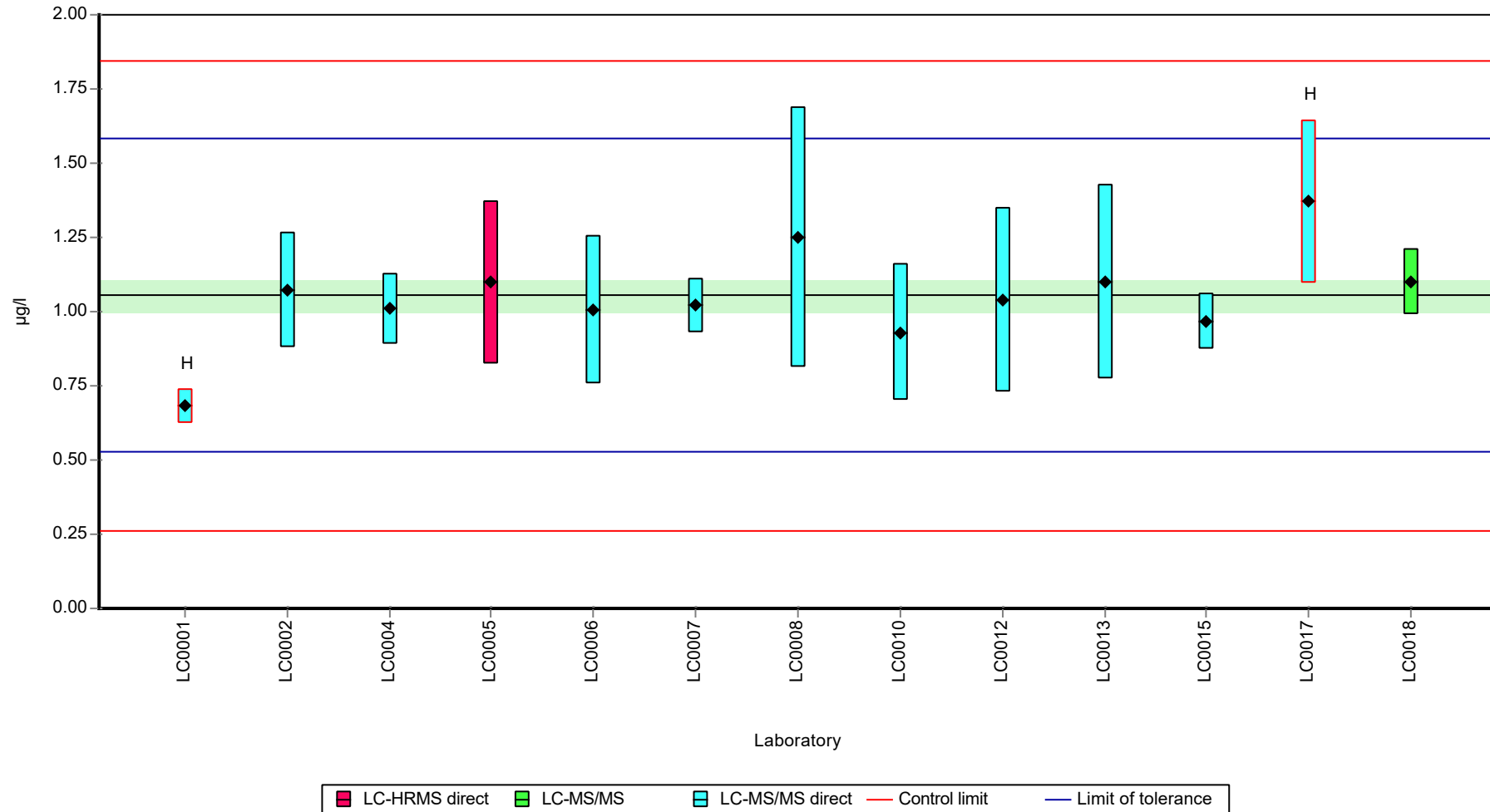
	all results	without outliers	Unit
Mean ± CI (99%)	1.05 ± 0.134	1.05 ± 0.078	µg/l
Minimum	0.681	0.93	µg/l
Maximum	1.37	1.25	µg/l
Standard deviation	0.162	0.0863	µg/l
rel. standard deviation	15.4	8.18	%
n	13	11	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Atenolol

Graphical presentation of results

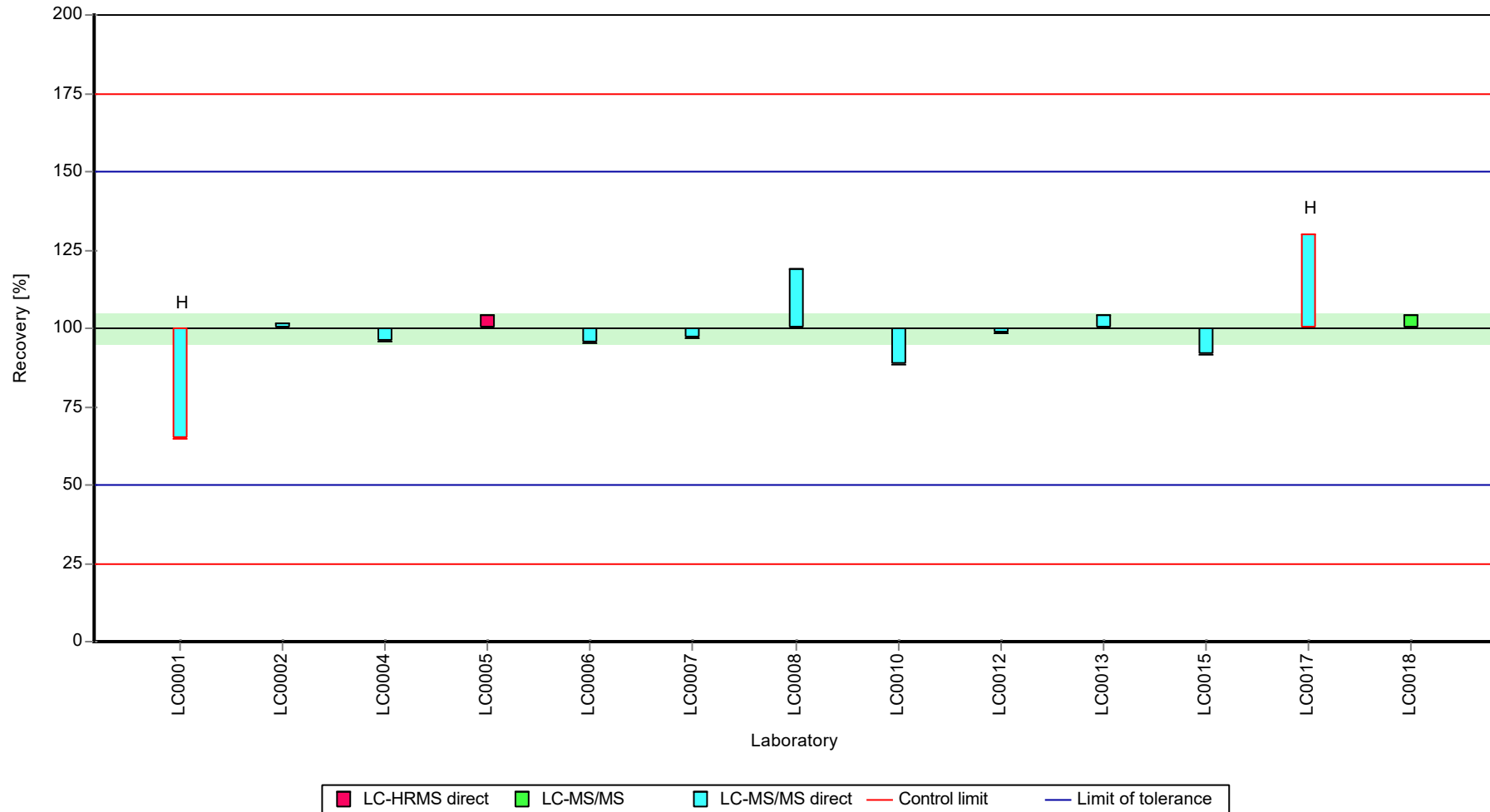
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Atenolol

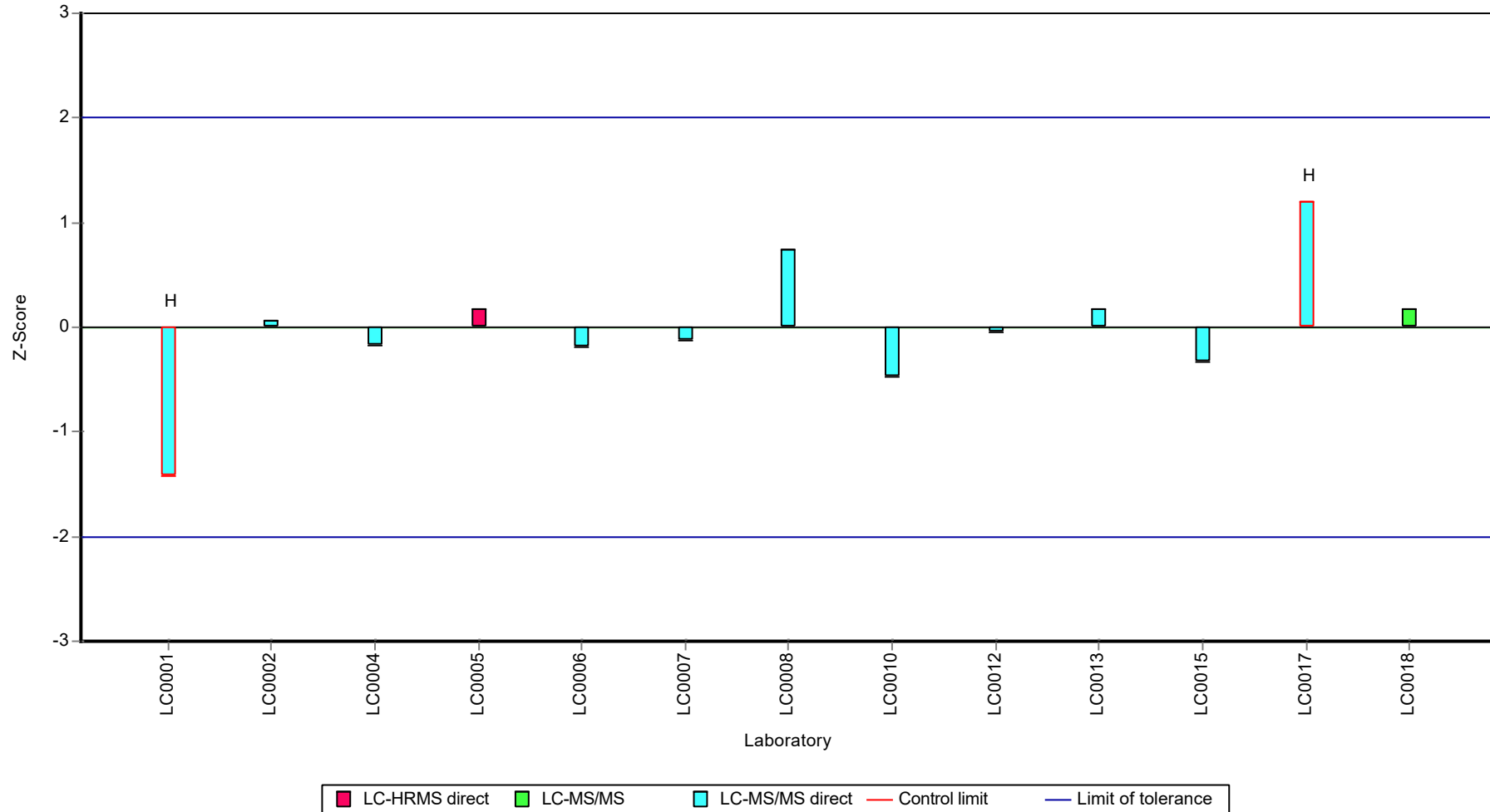
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Atenolol

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Benzotriazole

Parameter oriented report

AZ10 A

Benzotriazole

Unit	µg/l
Assigned value ± U (k=2)	0.399 ± 0.0132
Criterion	0.0479 (12 %)
Minimum - Maximum	0.356 - 0.448
Control test value ± U (k=2)	0.470 ± 0.0941

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.388	0.081	97.2	-0.23	
LC0002	0.416	0.075	104	0.35	
LC0003	-	-	-	-	
LC0004	7.37	0.46	1850	145.5	H
LC0005	0.4	0.1	100	0.02	
LC0006	0.4019	0.1005	101	0.06	
LC0007	0.384	0.031	96.2	-0.32	
LC0008	0.356	0.071	89.2	-0.9	
LC0009	0.388	0.04	97.2	-0.23	
LC0010	0.38	0.076	95.2	-0.4	
LC0011	-	-	-	-	
LC0012	0.392	0.118	98.2	-0.15	
LC0013	0.413	0.12	103	0.29	
LC0014	-	-	-	-	
LC0015	0.444	0.093	111	0.93	
LC0016	0.3816	0.1043	95.6	-0.37	
LC0017	0.397	0.08	99.4	-0.05	
LC0018	-	-	-	-	
LC0019	0.448	0.09	112	1.02	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

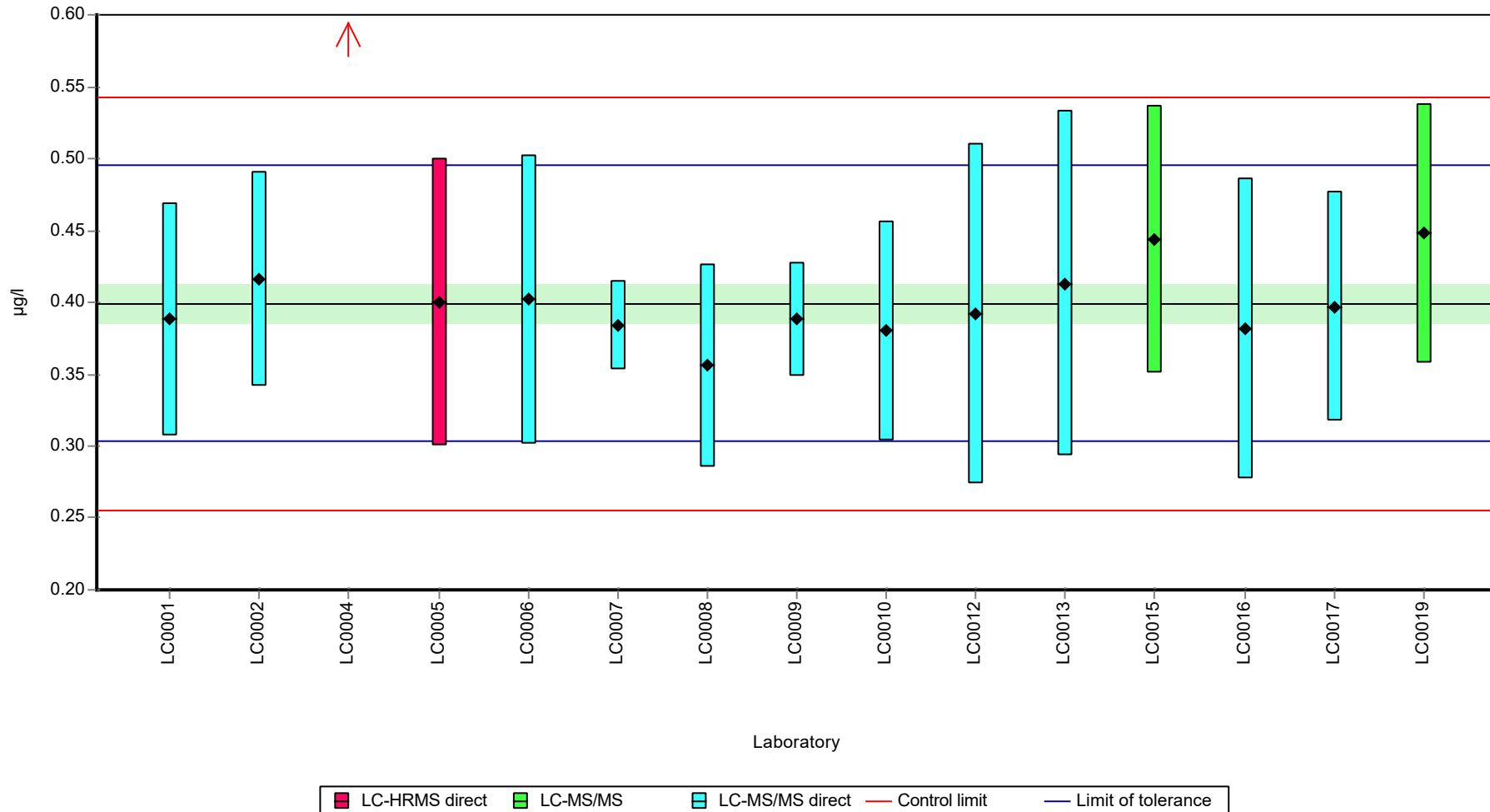
	all results	without outliers	Unit
Mean ± CI (99%)	0.864 ± 1.39	0.399 ± 0.0198	µg/l
Minimum	0.356	0.356	µg/l
Maximum	7.37	0.448	µg/l
Standard deviation	1.8	0.0247	µg/l
rel. standard deviation	208	6.19 %	
n	15	14	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Benzotriazole

Graphical presentation of results

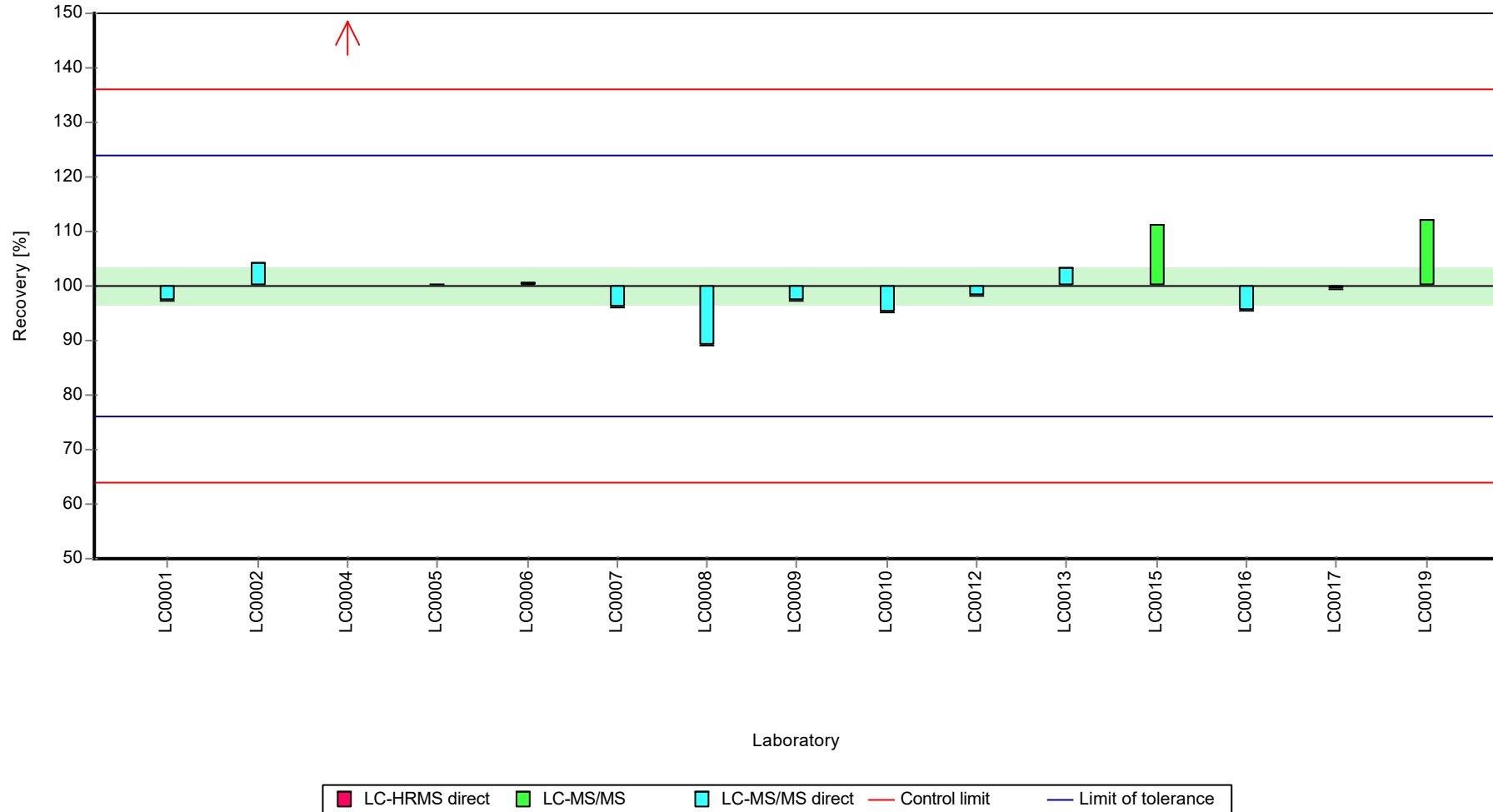
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Benzotriazole

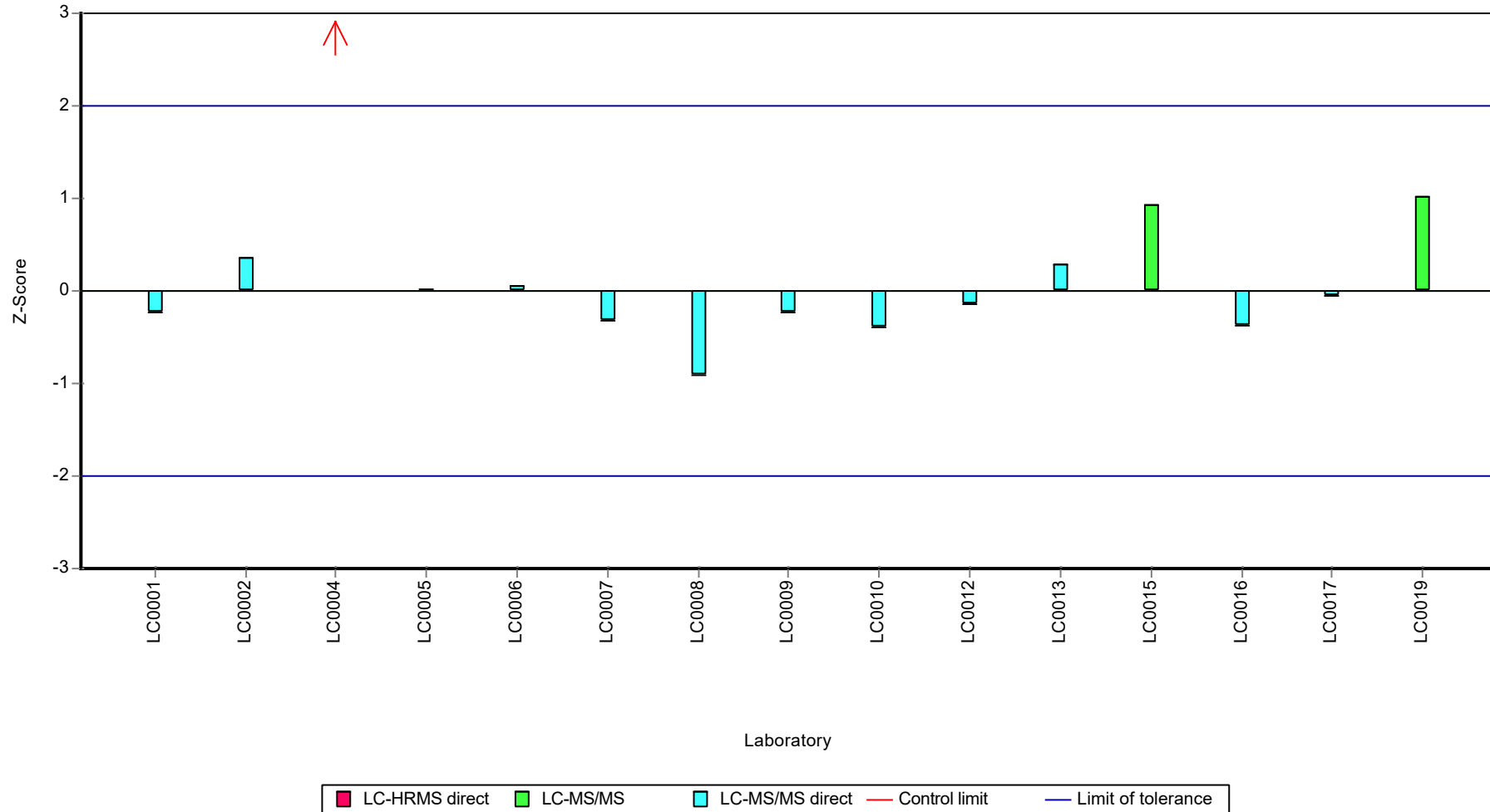
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Benzotriazole

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Benzotriazole

Parameter oriented report

AZ10 B

Benzotriazole

Unit	µg/l
Assigned value ± U (k=2)	7.74 ± 0.325
Criterion	0.929 (12 %)
Minimum - Maximum	6.3 - 8.6
Control test value ± U (k=2)	9.45 ± 1.89

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	7.954	1.661	103	0.23	
LC0002	8.002	1.44	103	0.28	
LC0003	-	-	-	-	
LC0004	0.396	0.033	5.1	-7.91	H
LC0005	8.22	2.06	106	0.51	
LC0006	7.463	1.8655	96.4	-0.3	
LC0007	7.41	0.593	95.7	-0.36	
LC0008	7.323	1.465	94.6	-0.45	
LC0009	7.463	0.83	96.4	-0.3	
LC0010	6.3	1.575	81.4	-1.55	
LC0011	-	-	-	-	
LC0012	7.87	2.36	102	0.14	
LC0013	8.43	2.5	109	0.74	
LC0014	-	-	-	-	
LC0015	8.597	1.8	111	0.92	
LC0016	-	-	-	-	
LC0017	7.94	1.59	103	0.21	
LC0018	-	-	-	-	
LC0019	7.68	1.54	99.2	-0.07	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

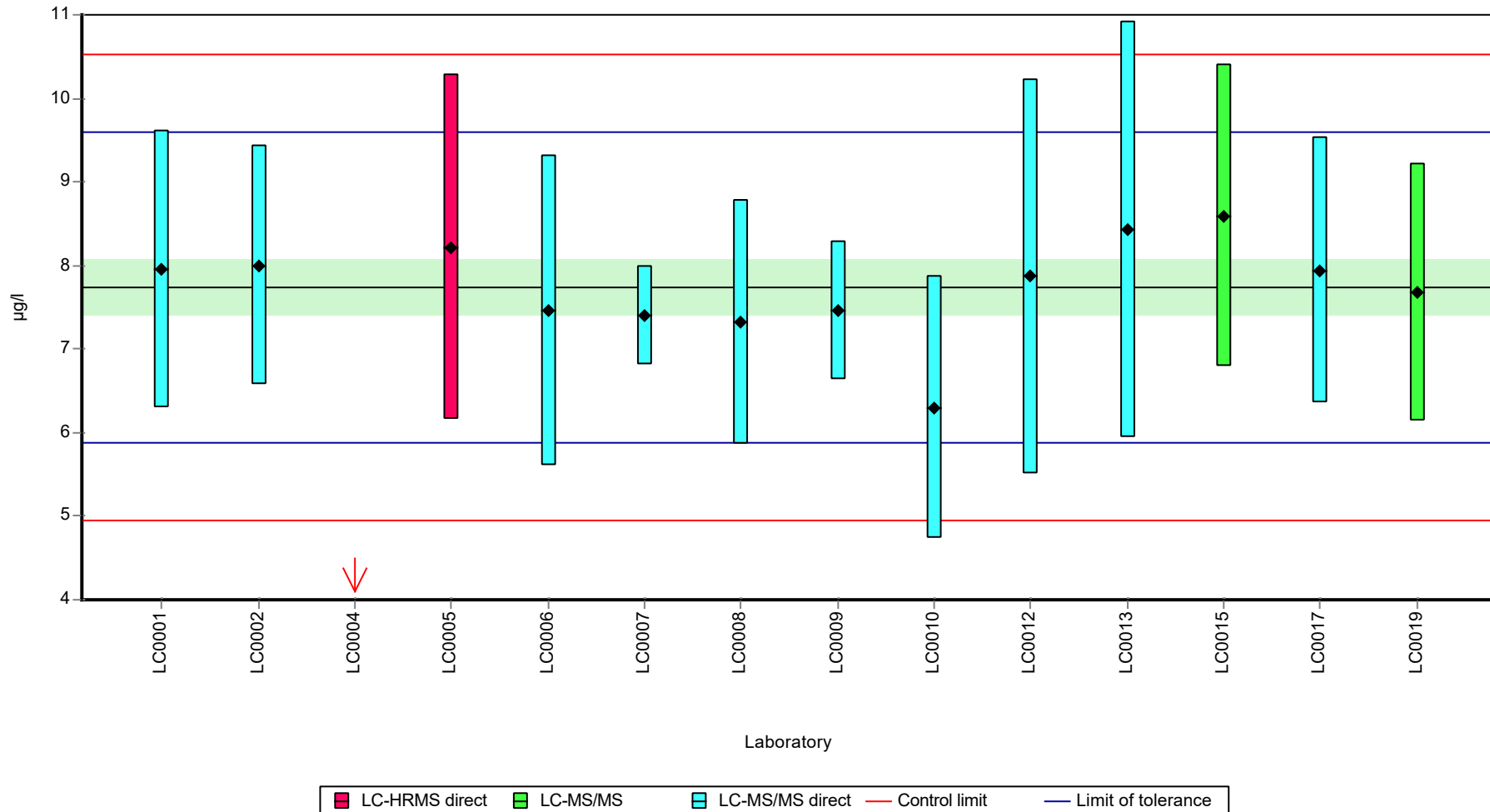
	all results	without outliers	Unit
Mean ± CI (99%)	7.22 ± 1.64	7.74 ± 0.488	µg/l
Minimum	0.396	6.3	µg/l
Maximum	8.6	8.6	µg/l
Standard deviation	2.04	0.586	µg/l
rel. standard deviation	28.3	7.57 %	
n	14	13	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Benzotriazole

Graphical presentation of results

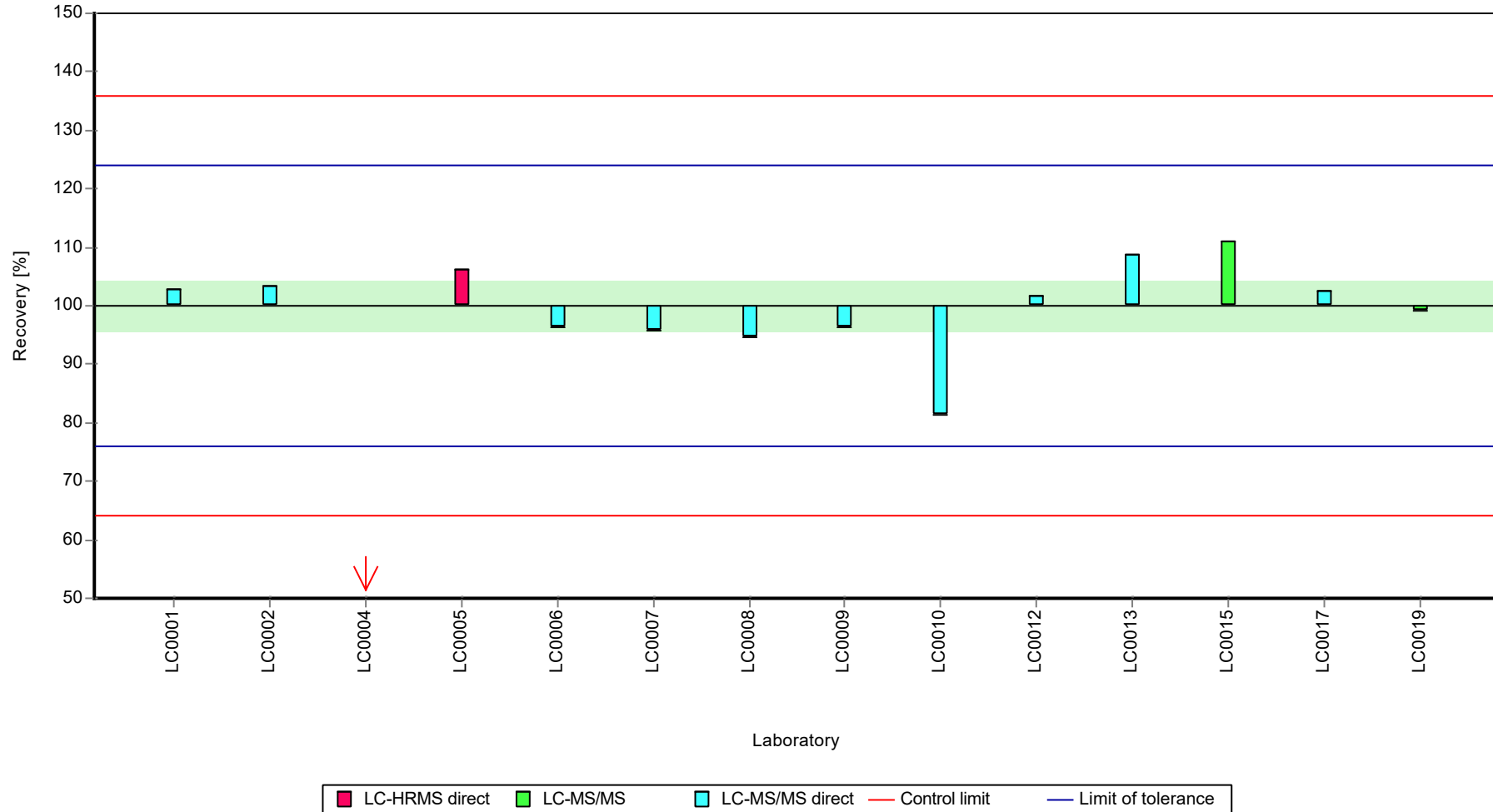
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Benzotriazole

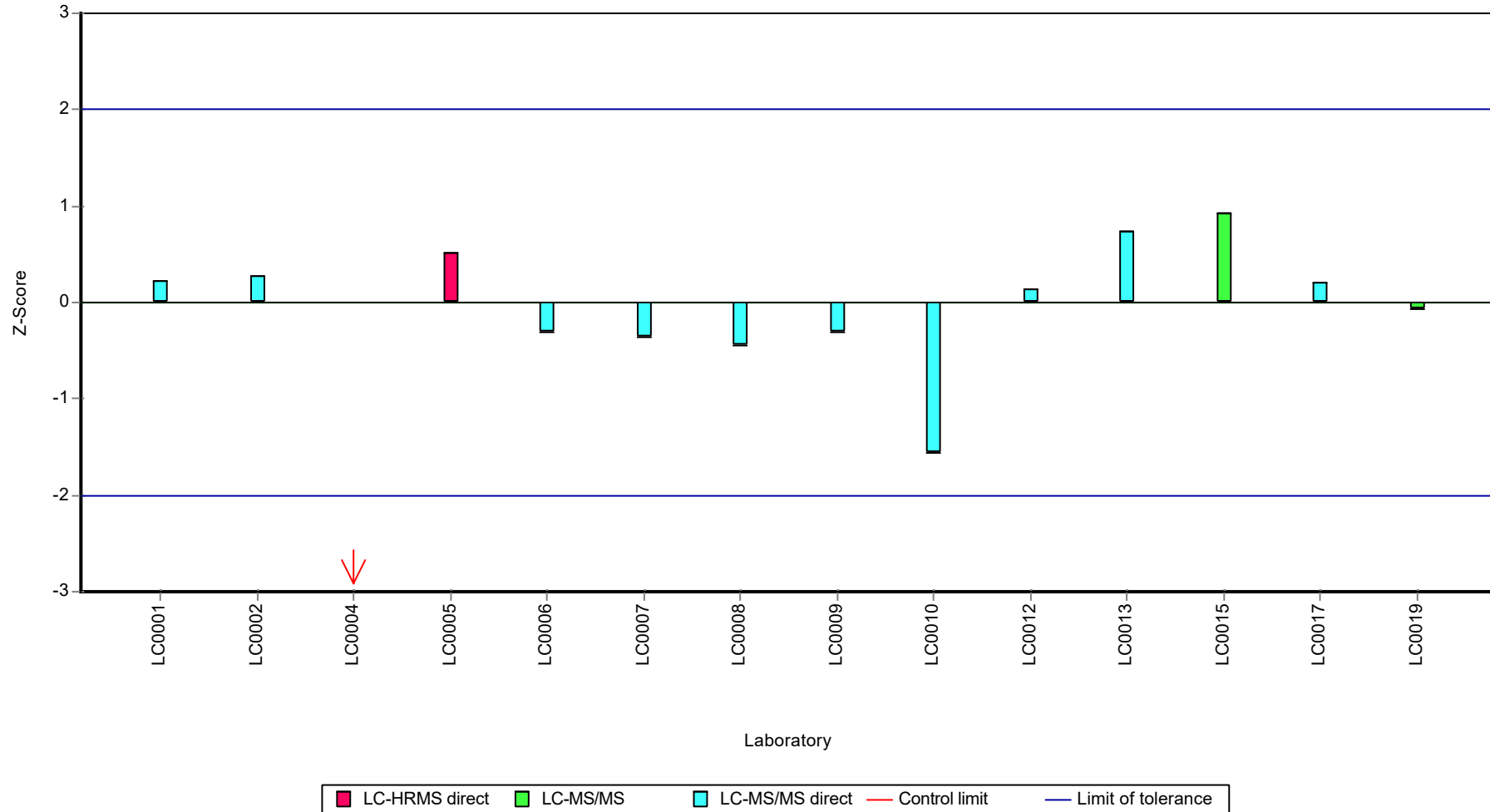
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Benzotriazole

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Bisoprolol

Parameter oriented report

AZ10 A

Bisoprolol

Unit	µg/l
Assigned value ± U (k=2)	1.12 ± 0.196
Criterion	0.235 (21 %)
Minimum - Maximum	0.8 - 1.47
Control test value ± U (k=2)	1.56 ± 0.312

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.472	0.116	132	1.5	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.978	0.245	87.4	-0.6	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	1.0478	0.253	93.6	-0.3	
LC0015	1.108	0.109	99	-0.05	
LC0016	-	-	-	-	
LC0017	1.31	0.261	117	0.81	
LC0018	0.8	0.08	71.5	-1.36	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

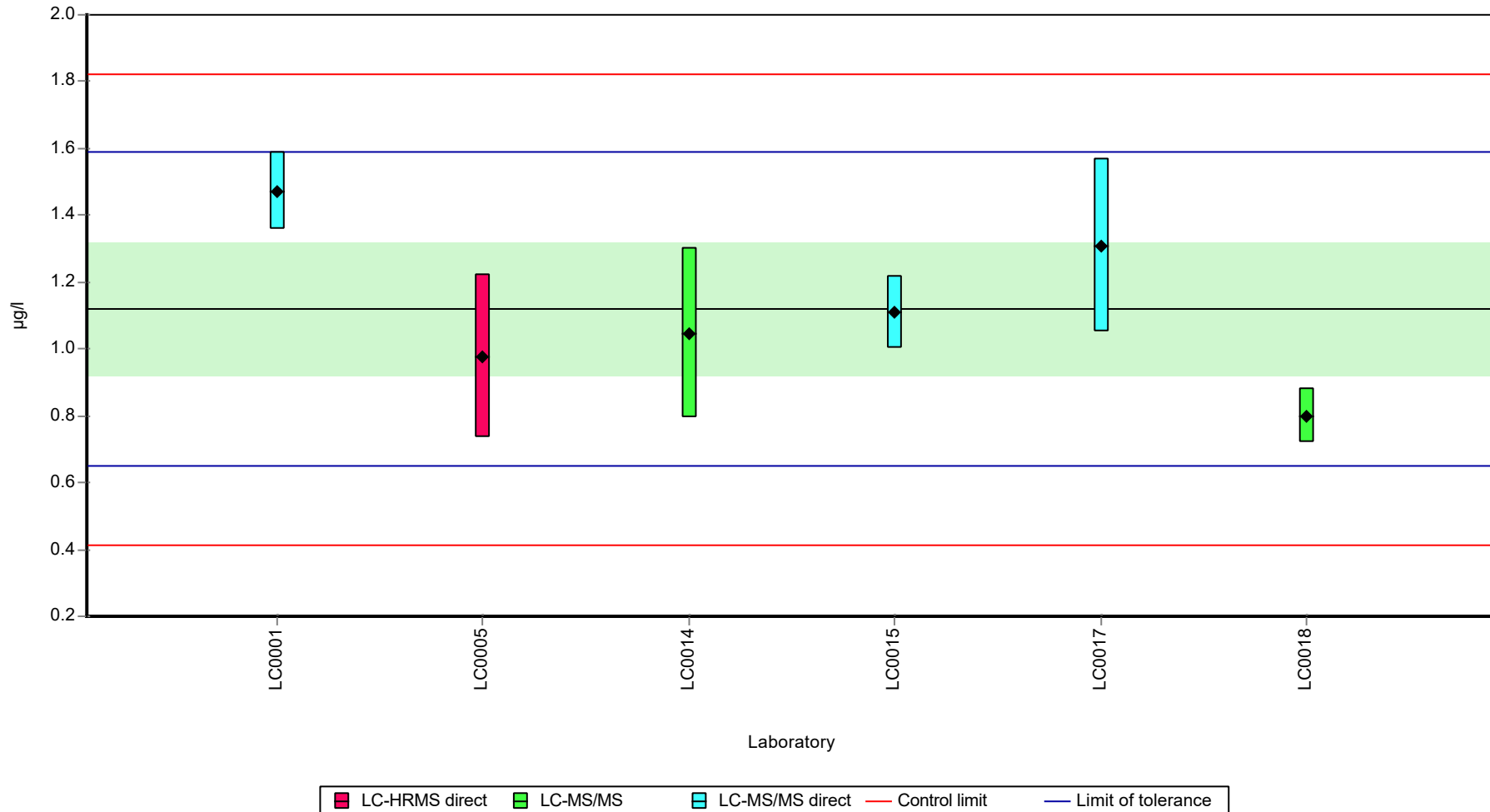
	all results	without outliers	Unit
Mean ± CI (99%)	1.12 ± 0.294	1.12 ± 0.294	µg/l
Minimum	0.8	0.8	µg/l
Maximum	1.47	1.47	µg/l
Standard deviation	0.24	0.24	µg/l
rel. standard deviation	21.4	21.4	%
n	6	6	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Bisoprolol

Graphical presentation of results

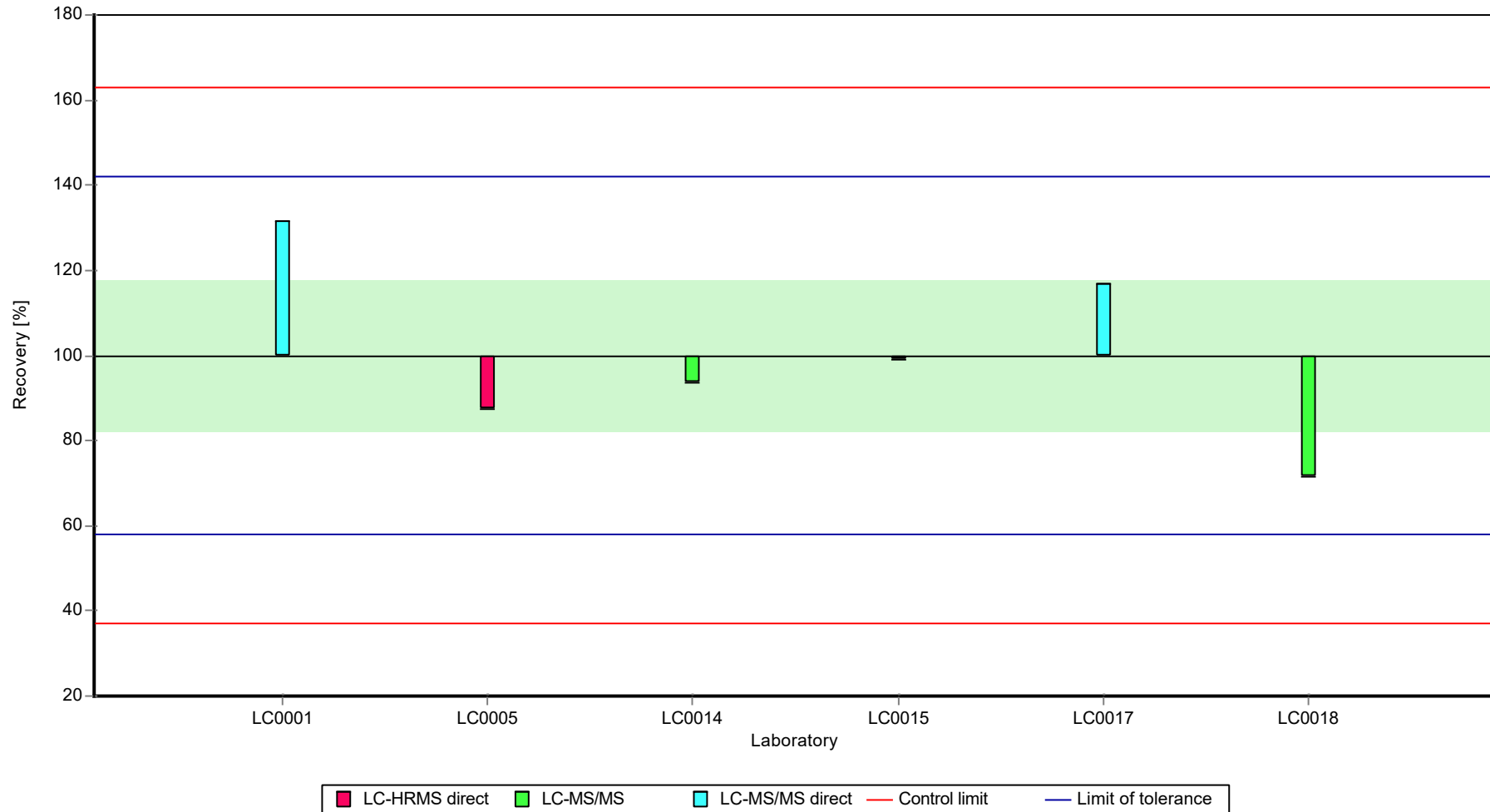
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Bisoprolol

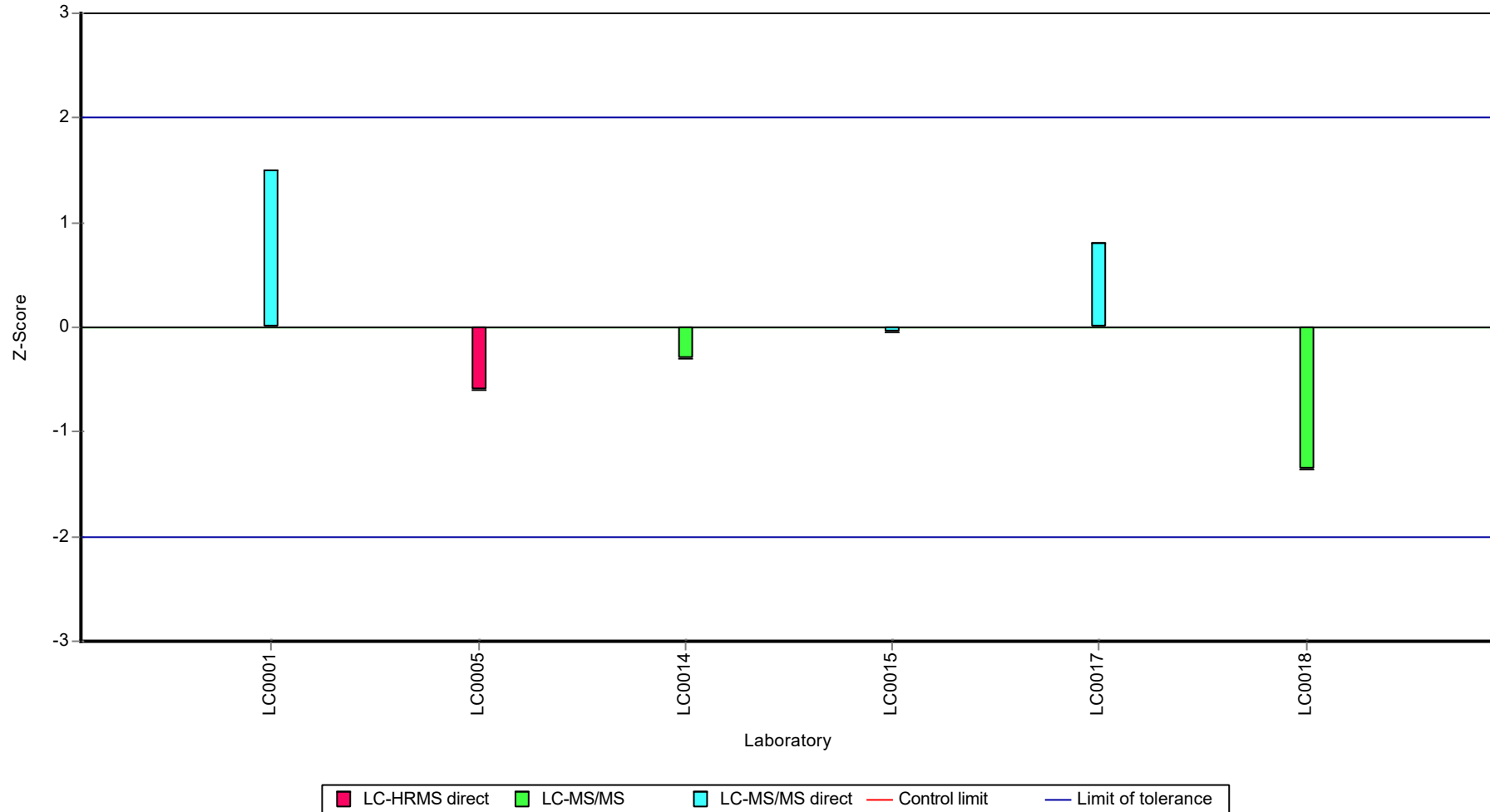
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Bisoprolol

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Bisoprolol

Parameter oriented report

AZ10 B

Bisoprolol

Unit	µg/l
Assigned value ± U (k=2)	1.88 ± 0.267
Criterion	0.32 (17 %)
Minimum - Maximum	1.4 - 2.22
Control test value ± U (k=2)	2.77 ± 0.554

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.217	0.175	118	1.05	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	1.61	0.403	85.6	-0.85	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	1.8697	0.4513	99.4	-0.03	
LC0015	1.975	0.195	105	0.3	
LC0016	-	-	-	-	
LC0017	2.21	0.441	118	1.03	
LC0018	1.4	0.14	74.5	-1.5	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

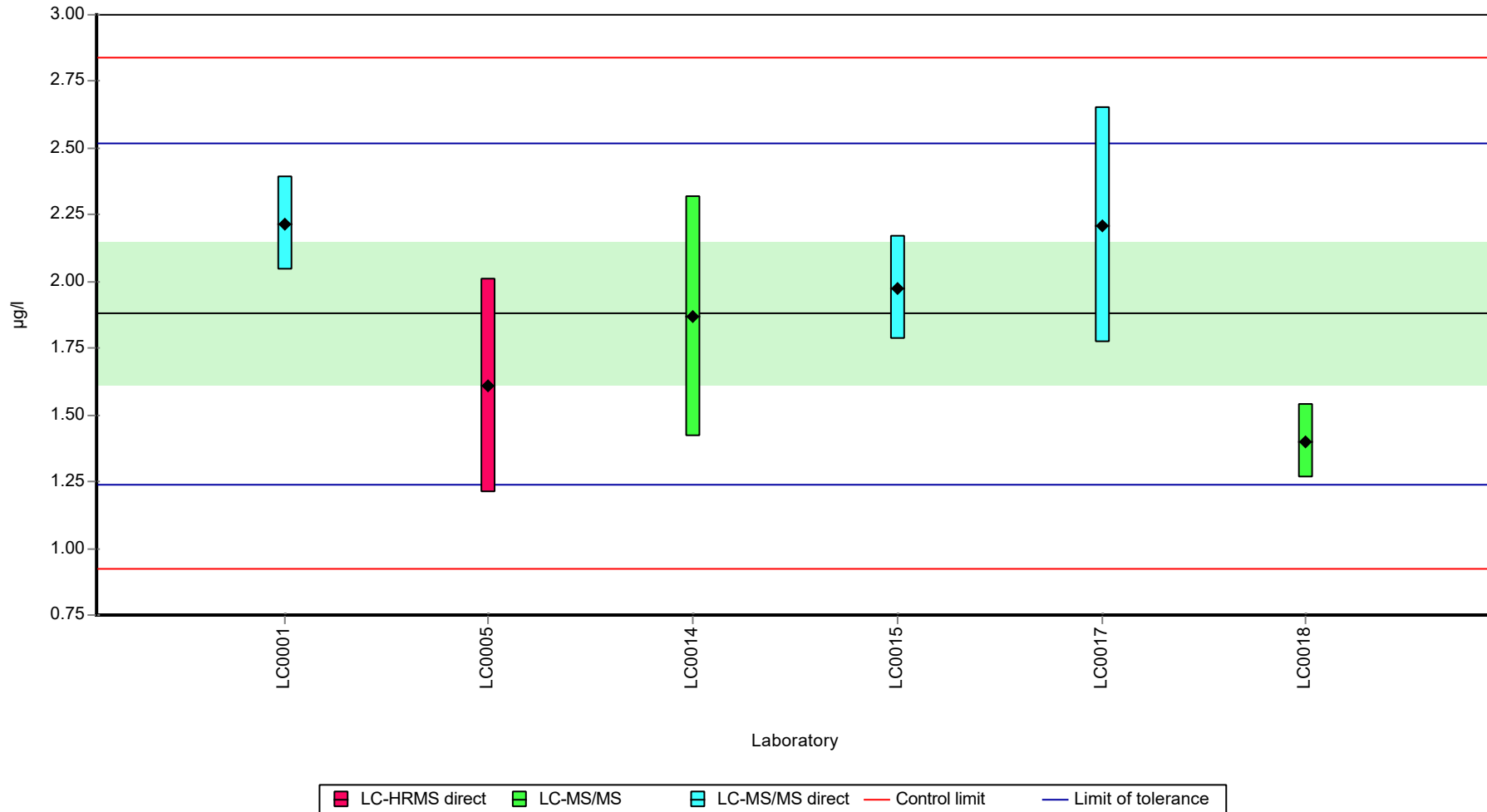
	all results	without outliers	Unit
Mean ± CI (99%)	1.88 ± 0.401	1.88 ± 0.401	µg/l
Minimum	1.4	1.4	µg/l
Maximum	2.22	2.22	µg/l
Standard deviation	0.327	0.327	µg/l
rel. standard deviation	17.4	17.4	%
n	6	6	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Bisoprolol

Graphical presentation of results

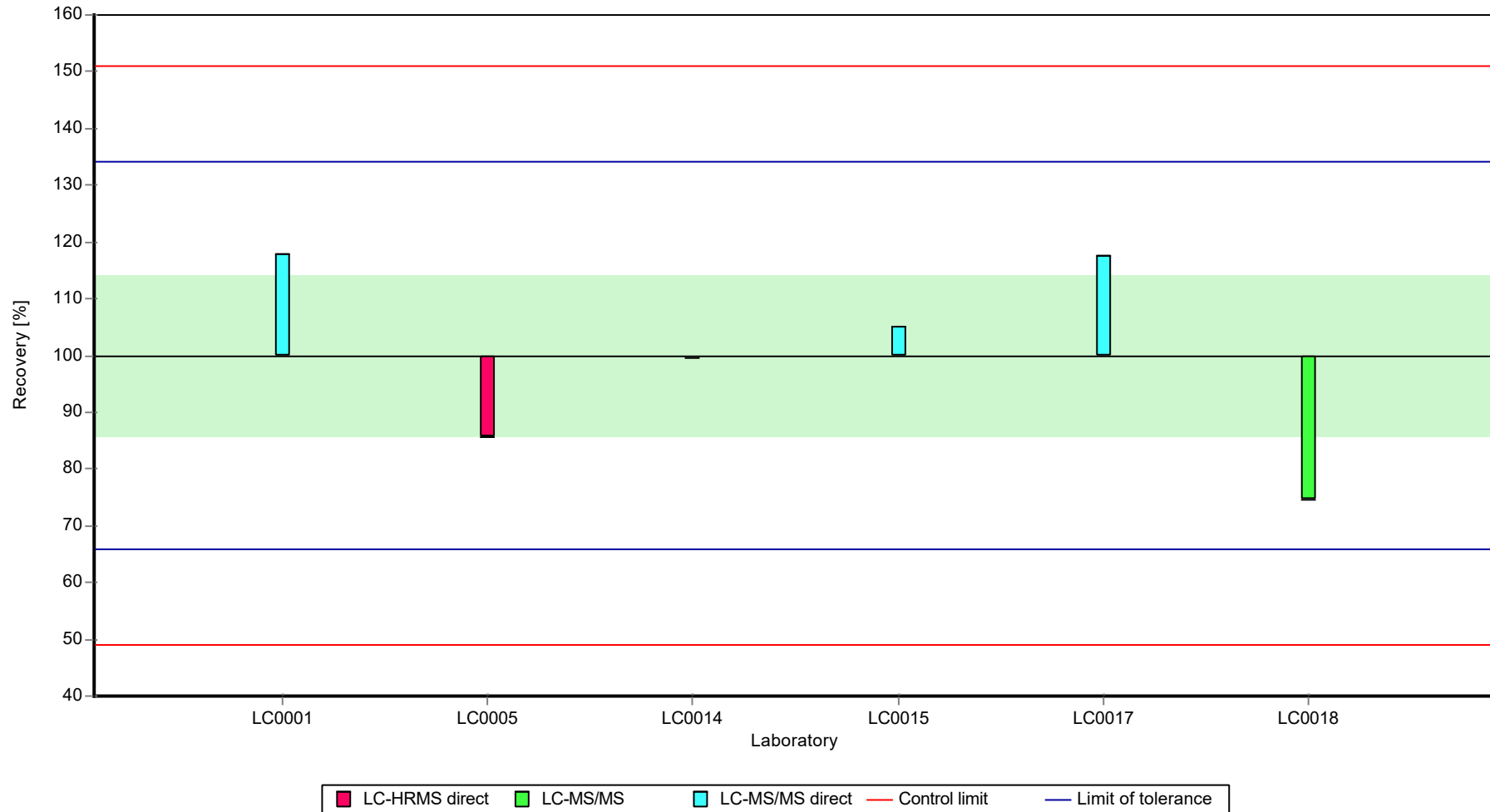
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Bisoprolol

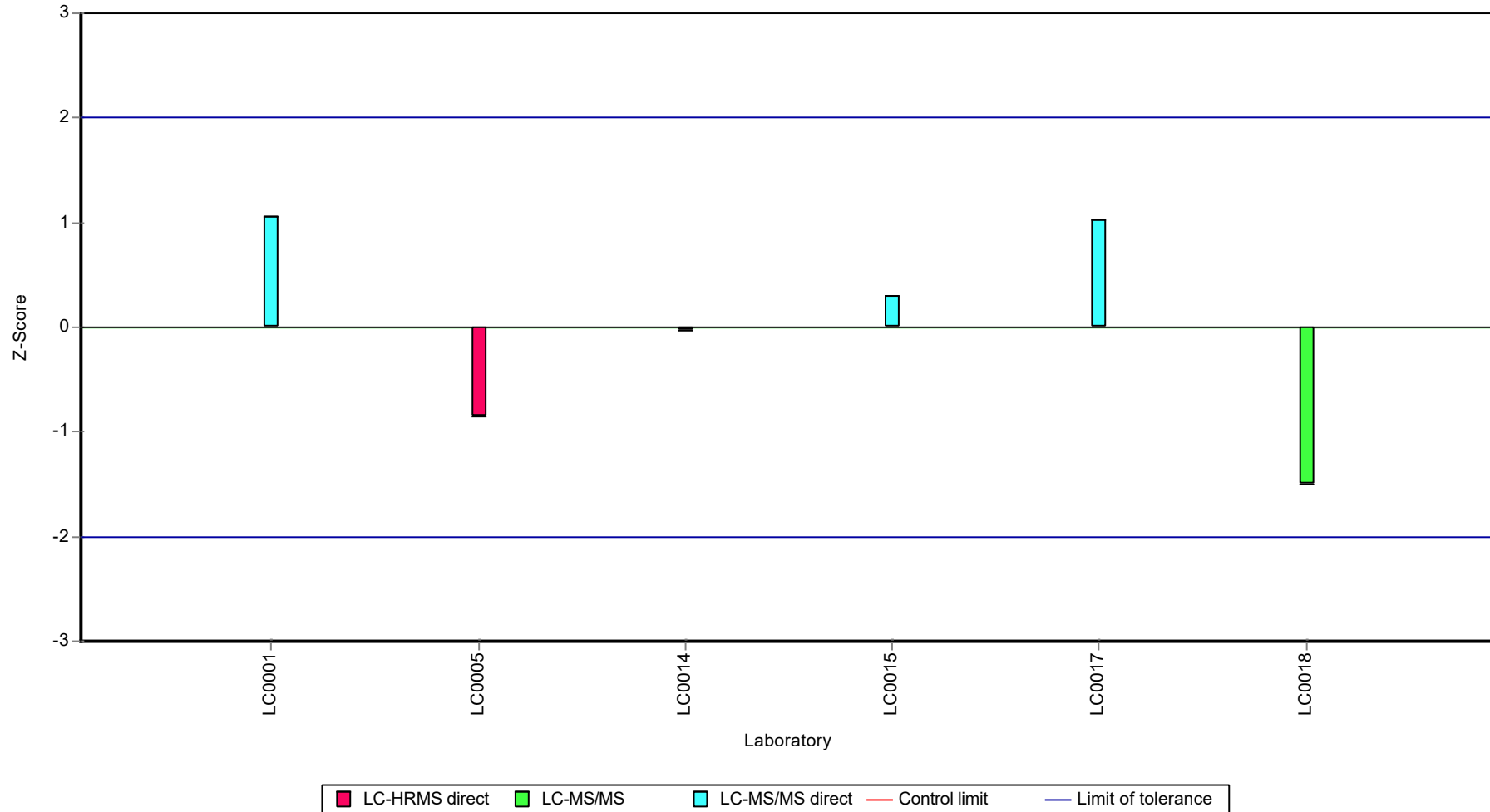
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Bisoprolol

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Carbamazepine

Parameter oriented report

AZ10 A

Carbamazepine

Unit	µg/l
Assigned value ± U (k=2)	0.821 ± 0.0231
Criterion	0.107 (13 %)
Minimum - Maximum	0.75 - 0.91
Control test value ± U (k=2)	0.952 ± 0.19

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.8	0.053	97.5	-0.19	
LC0002	0.798	0.144	97.2	-0.21	
LC0003	-	-	-	-	
LC0004	1.11	0.12	135	2.71	H
LC0005	0.8	0.2	97.5	-0.19	
LC0006	0.7012	0.1753	85.5	-1.12	H
LC0007	0.813	0.089	99.1	-0.07	
LC0008	0.75	0.15	91.4	-0.66	
LC0009	0.825	0.23	101	0.04	
LC0010	0.68	0.136	82.9	-1.32	H
LC0011	-	-	-	-	
LC0012	0.834	0.25	102	0.13	
LC0013	0.91	0.27	111	0.84	
LC0014	-	-	-	-	
LC0015	0.824	0.084	100	0.03	
LC0016	0.6885	0.241	83.9	-1.24	H
LC0017	1.01	0.203	123	1.78	H
LC0018	0.8	0.08	97.5	-0.19	
LC0019	0.872	0.174	106	0.48	
LC0020	0.821	0.089	100	0.00	
LC0021	-	-	-	-	

Characteristics of parameter

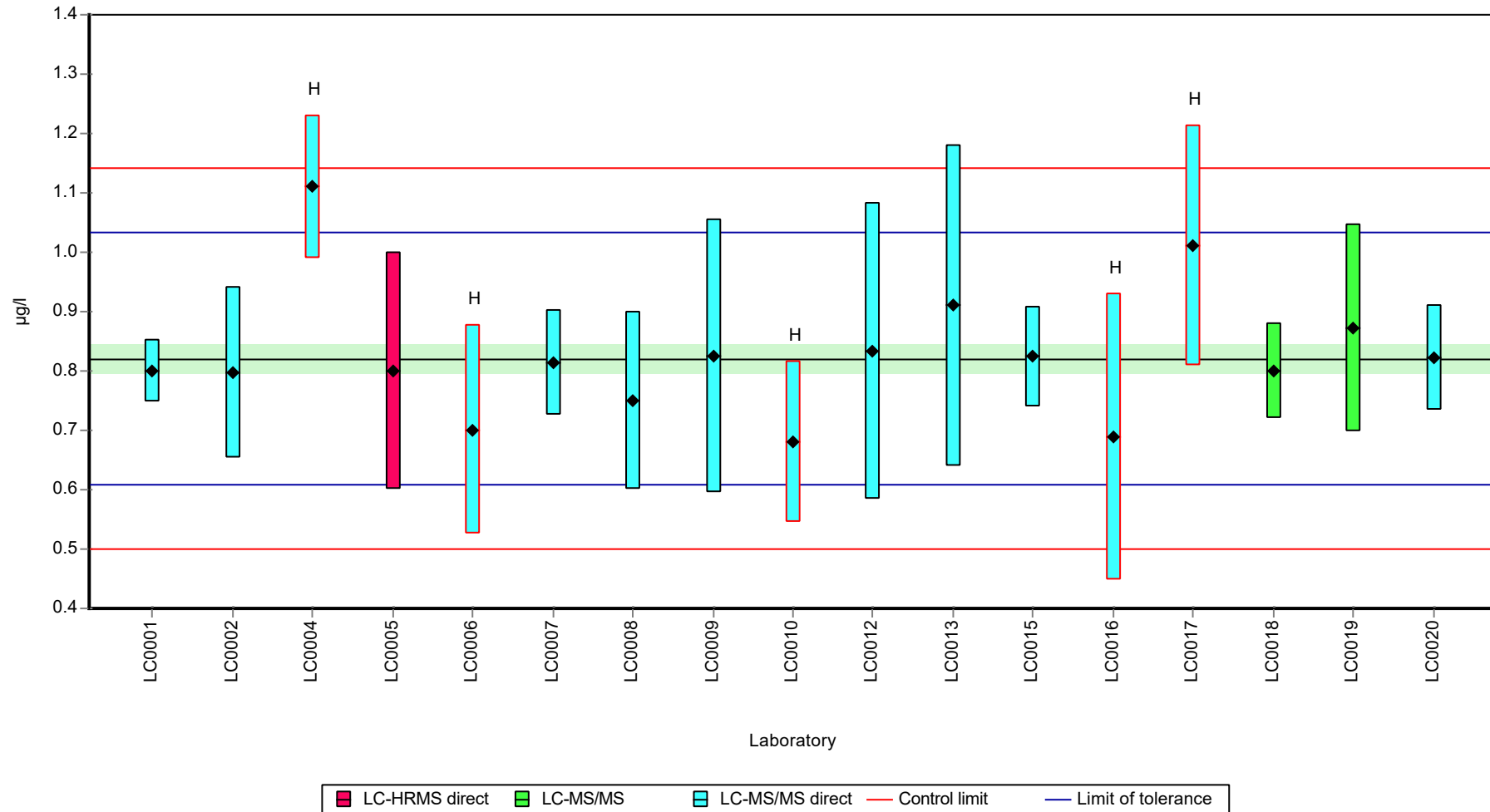
	all results	without outliers	Unit
Mean ± CI (99%)	0.826 ± 0.0789	0.821 ± 0.0347	µg/l
Minimum	0.68	0.75	µg/l
Maximum	1.11	0.91	µg/l
Standard deviation	0.108	0.0401	µg/l
rel. standard deviation	13.1	4.88 %	
n	17	12	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Carbamazepine

Graphical presentation of results

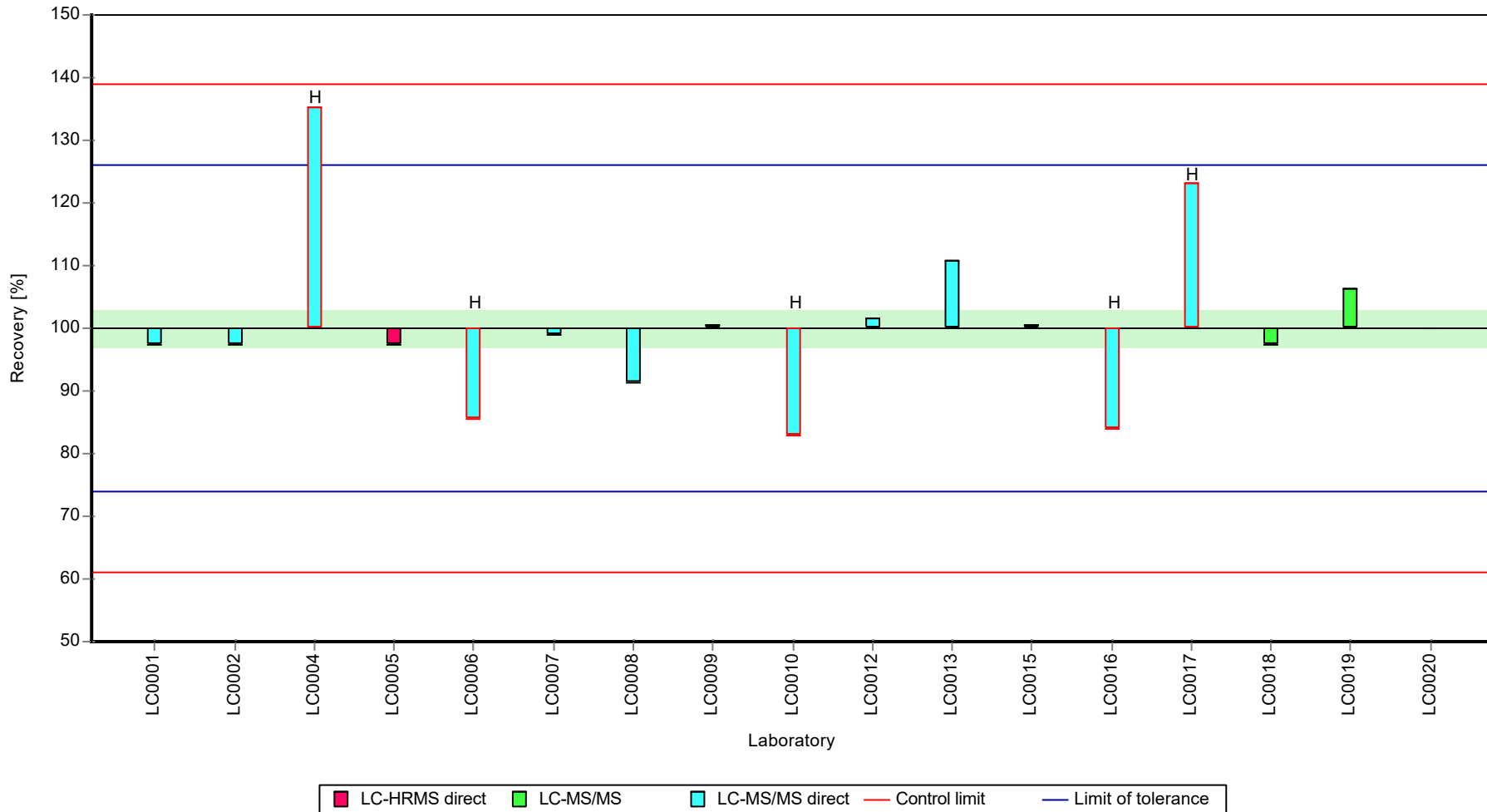
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Carbamazepine

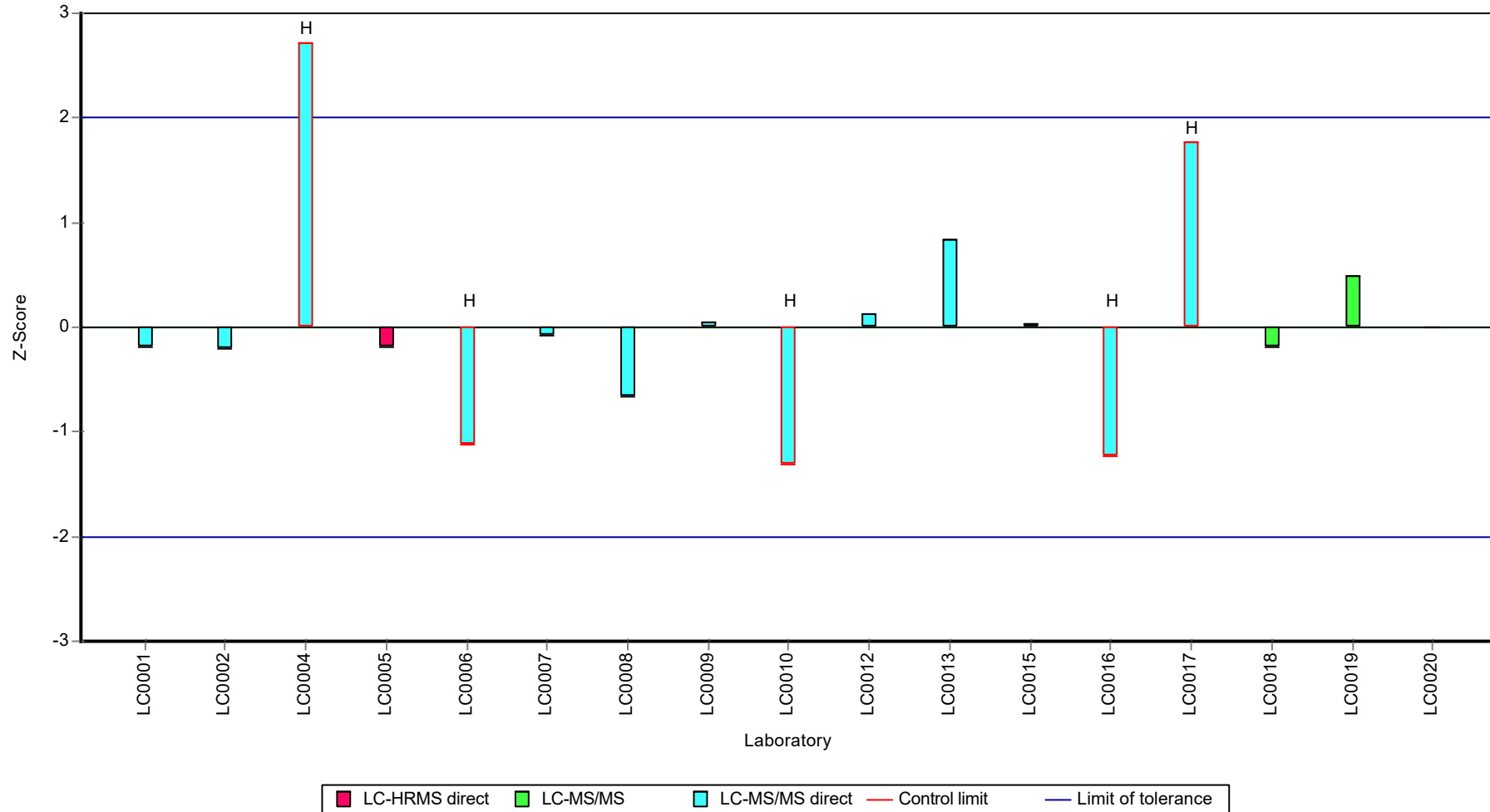
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Carbamazepine

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Carbamazepine

Parameter oriented report

AZ10 B

Carbamazepine

Unit	µg/l
Assigned value ± U (k=2)	0.925 ± 0.0475
Criterion	0.12 (13 %)
Minimum - Maximum	0.77 - 1.16
Control test value ± U (k=2)	1.08 ± 0.216

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.898	0.059	97.1	-0.22	
LC0002	0.939	0.169	102	0.12	
LC0003	-	-	-	-	
LC0004	0.832	0.082	90	-0.77	
LC0005	0.889	0.222	96.2	-0.3	
LC0006	0.781	0.1565	84.5	-1.19	
LC0007	0.944	0.104	102	0.16	
LC0008	0.942	0.188	102	0.14	
LC0009	0.935	0.26	101	0.09	
LC0010	0.77	0.154	83.3	-1.29	
LC0011	-	-	-	-	
LC0012	0.958	0.287	104	0.28	
LC0013	0.98	0.294	106	0.46	
LC0014	-	-	-	-	
LC0015	1.009	0.103	109	0.7	
LC0016	0.8413	0.2945	91	-0.69	
LC0017	1.16	0.232	125	1.96	
LC0018	1	0.1	108	0.63	
LC0019	1.22	0.243	132	2.46	H
LC0020	0.915	0.25	99	-0.08	
LC0021	-	-	-	-	

Characteristics of parameter

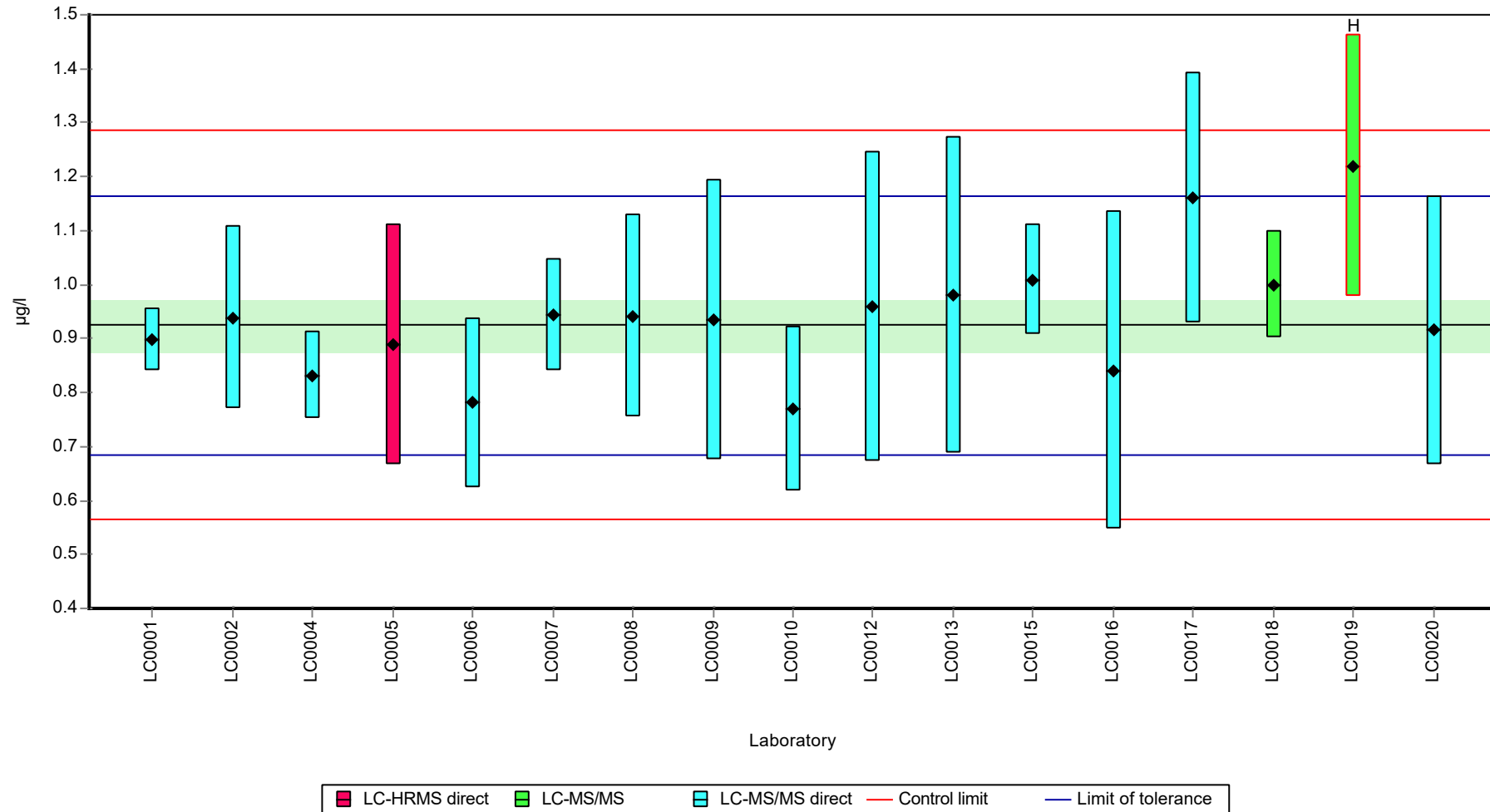
	all results	without outliers	Unit
Mean ± CI (99%)	0.942 ± 0.0849	0.925 ± 0.0713	µg/l
Minimum	0.77	0.77	µg/l
Maximum	1.22	1.16	µg/l
Standard deviation	0.117	0.095	µg/l
rel. standard deviation	12.4	10.3	%
n	17	16	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Carbamazepine

Graphical presentation of results

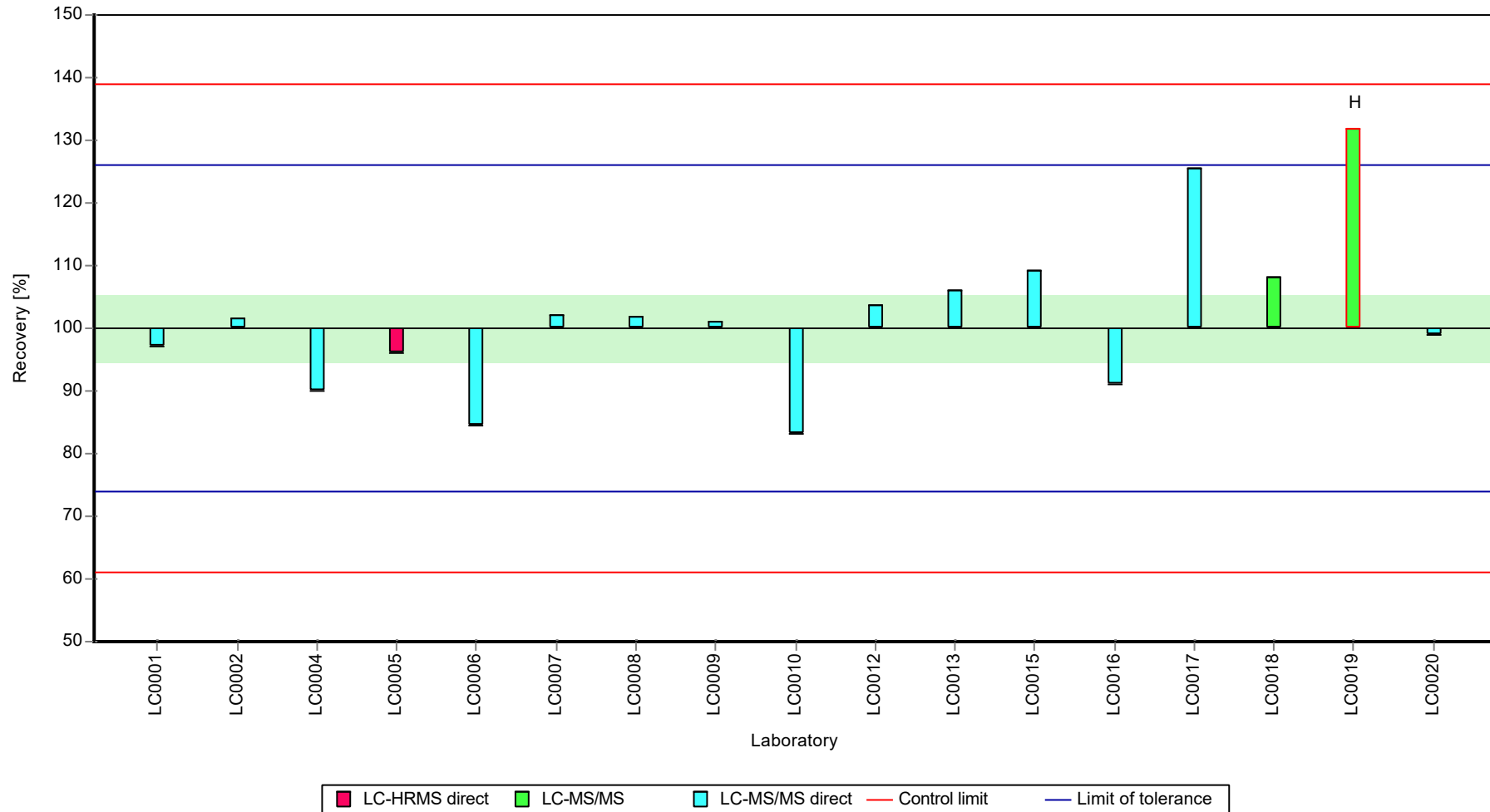
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Carbamazepine

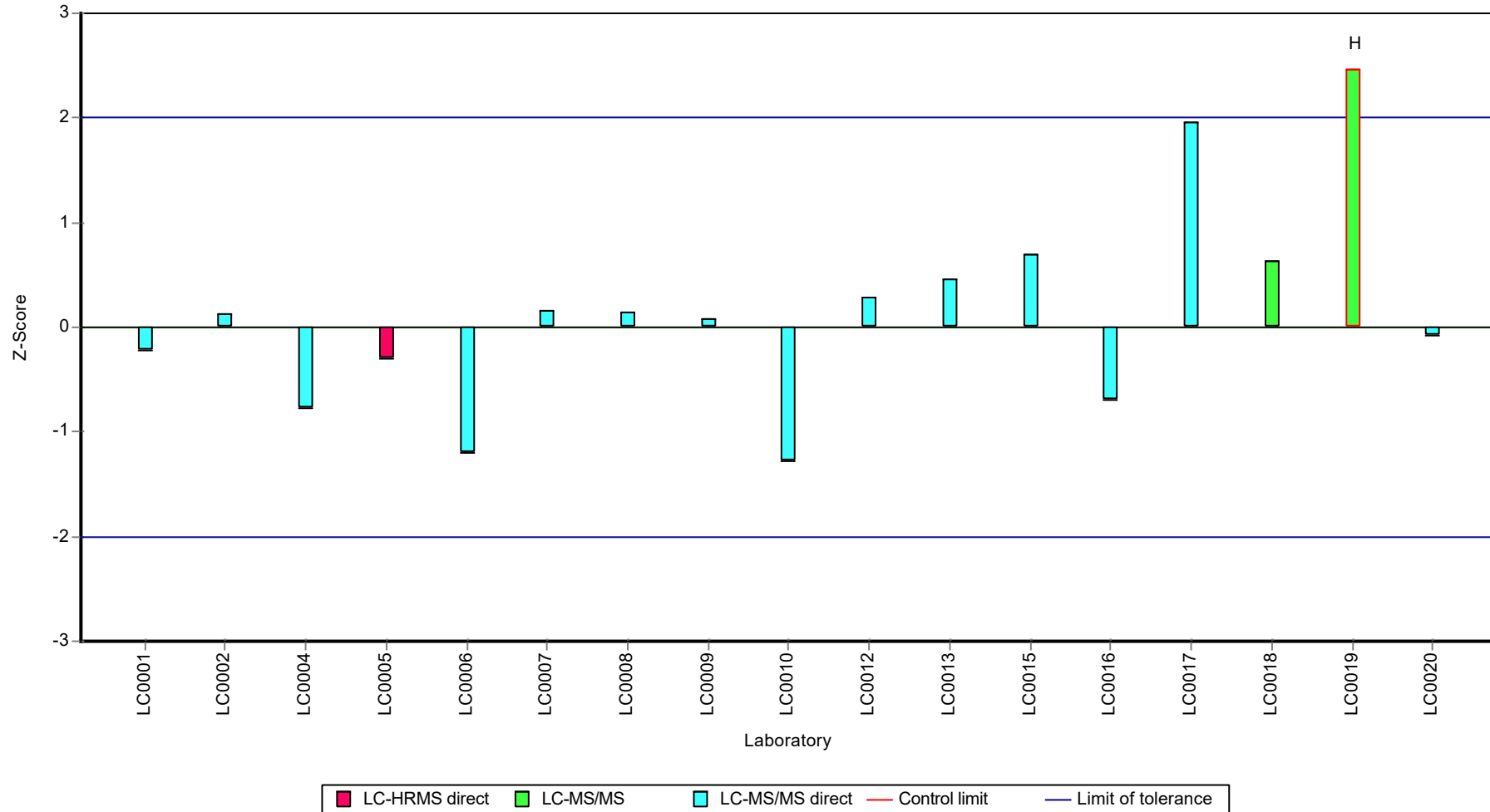
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Carbamazepine

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Cyclamate

Parameter oriented report

AZ10 A

Cyclamate

Unit	µg/l
Assigned value ± U (k=2)	0.652 ± 0.0208
Criterion	0.196 (30 %)
Minimum - Maximum	0.626 - 0.694
Control test value ± U (k=2)	0.798 ± 0.239

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.642	0.116	98.4	-0.05	
LC0003	0.63	0.28	96.6	-0.11	
LC0004	0.397	0.03	60.9	-1.3	H
LC0005	0.66	0.165	101	0.04	
LC0006	-	-	-	-	
LC0007	0.884	0.106	136	1.19	H
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.683	0.205	105	0.16	
LC0013	-	-	-	-	
LC0014	1.1047	0.3314	169	2.31	H
LC0015	0.694	0.269	106	0.21	
LC0016	0.86	0.146	132	1.06	H
LC0017	0.626	0.125	96	-0.13	
LC0018	-	-	-	-	
LC0019	0.63	0.189	96.6	-0.11	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

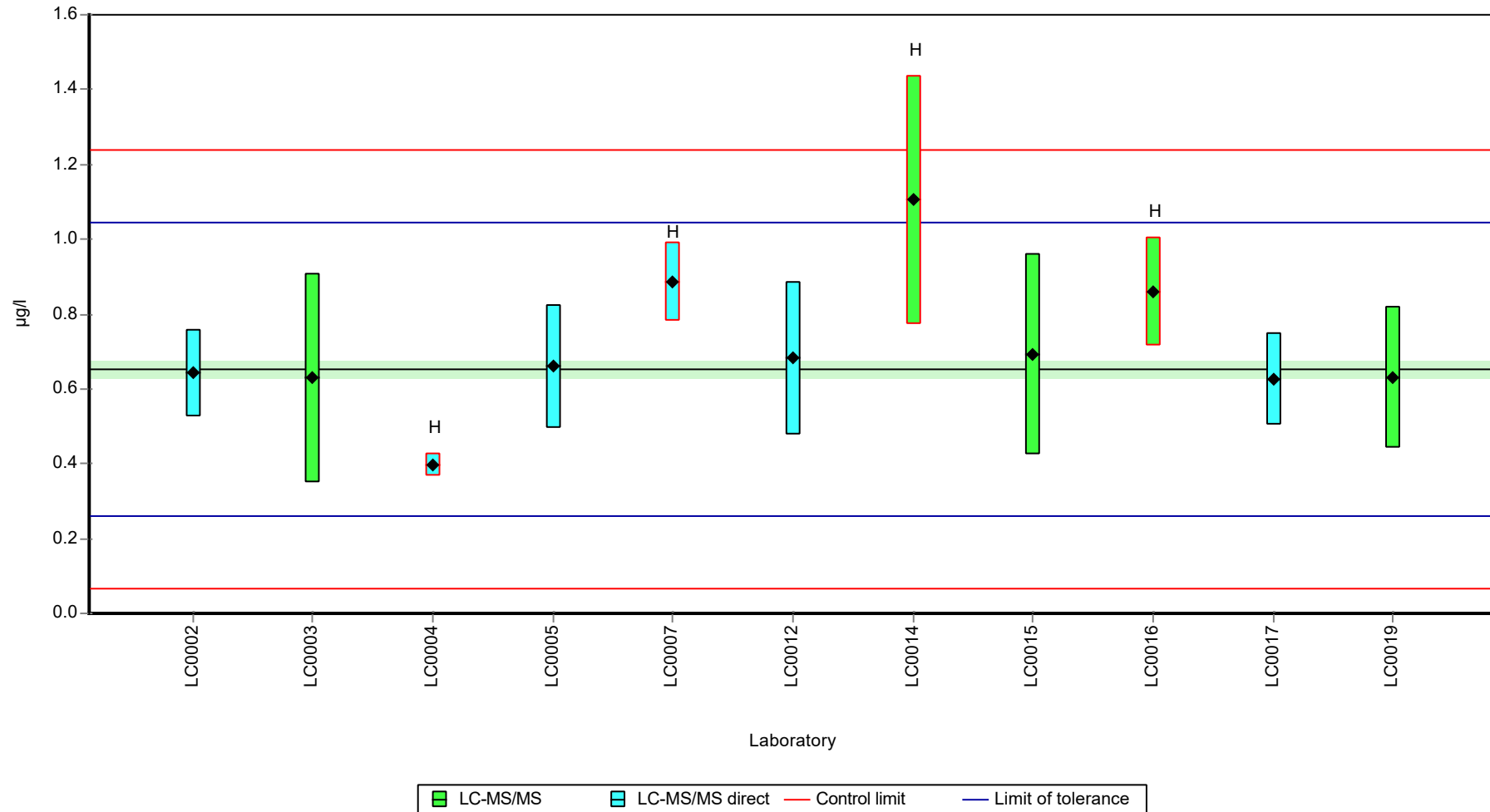
	all results	without outliers	Unit
Mean ± CI (99%)	0.71 ± 0.165	0.652 ± 0.0312	µg/l
Minimum	0.397	0.626	µg/l
Maximum	1.1	0.694	µg/l
Standard deviation	0.183	0.0275	µg/l
rel. standard deviation	25.8	4.21	%
n	11	7	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Cyclamate

Graphical presentation of results

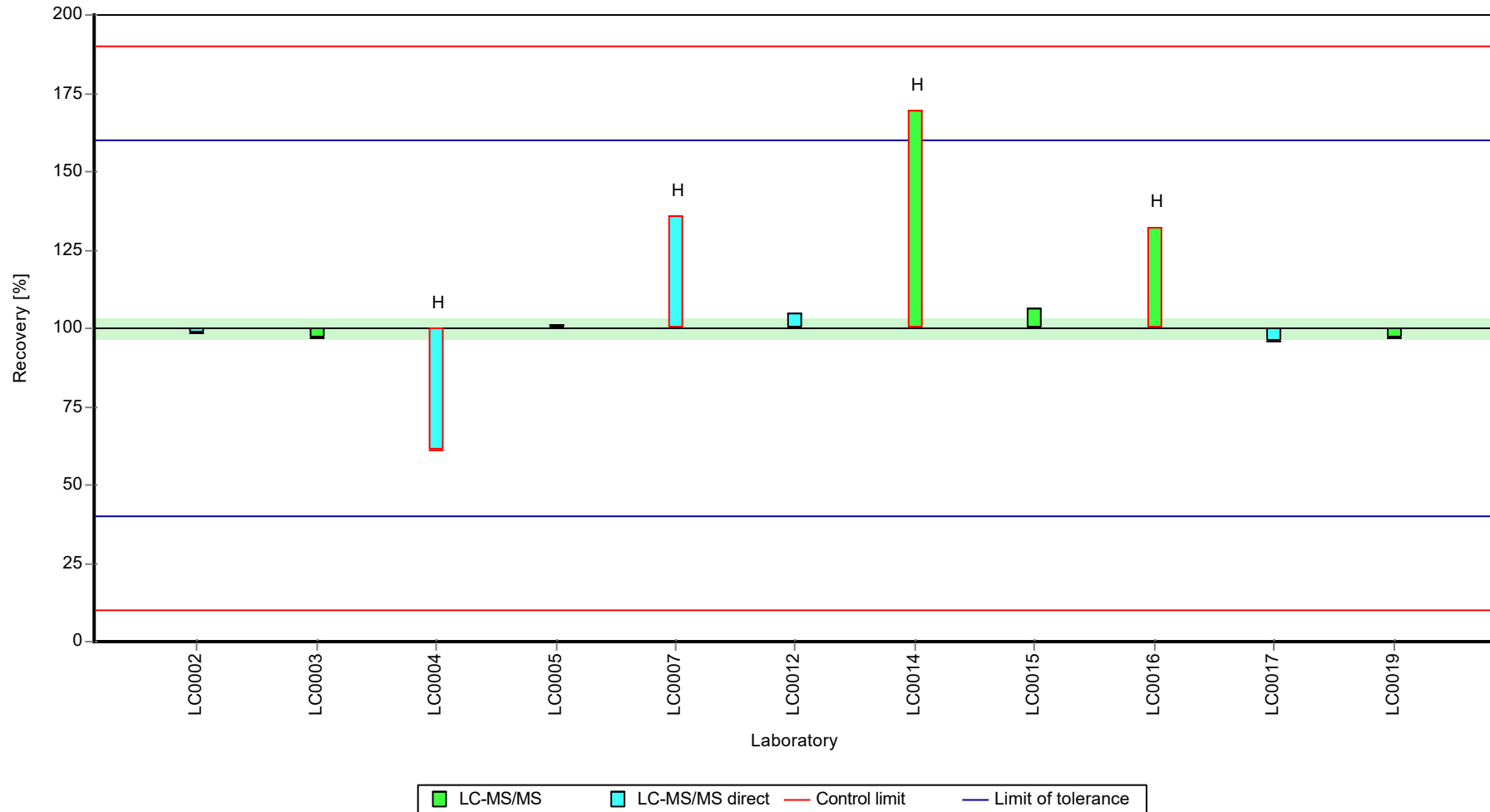
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Cyclamate

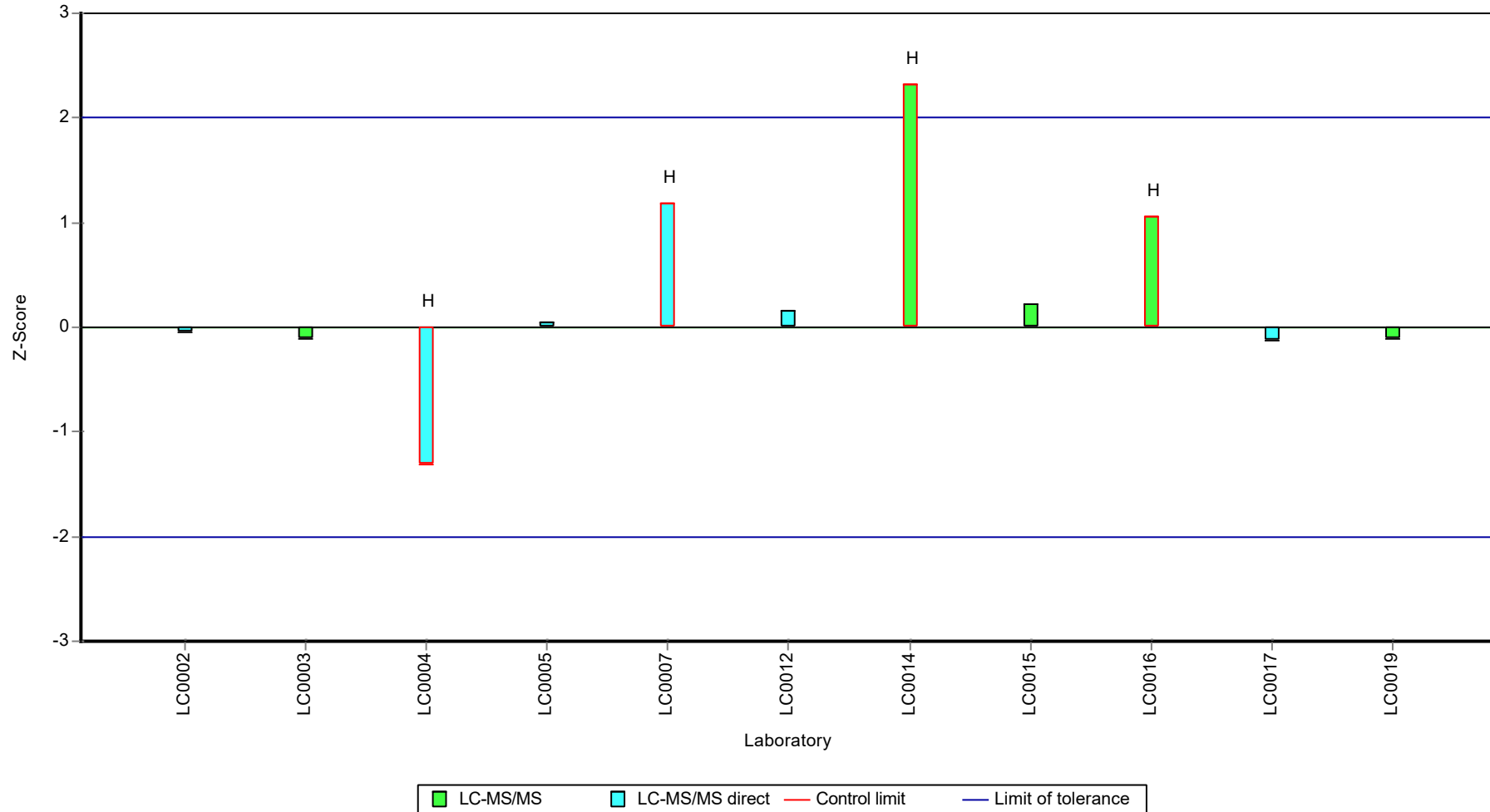
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Cyclamate

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Cyclamate

Parameter oriented report

AZ10 B

Cyclamate

Unit	µg/l
Assigned value ± U (k=2)	0.427 ± 0.0408
Criterion	0.128 (30 %)
Minimum - Maximum	0.355 - 0.564
Control test value ± U (k=2)	0.459 ± 0.138

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.376	0.068	88.1	-0.4	
LC0003	0.37	0.16	86.7	-0.44	
LC0004	0.636	0.041	149	1.63	H
LC0005	0.397	0.099	93	-0.23	
LC0006	-	-	-	-	
LC0007	0.501	0.045	117	0.58	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.451	0.135	106	0.19	
LC0013	-	-	-	-	
LC0014	0.564	0.1692	132	1.07	
LC0015	0.433	0.168	101	0.05	
LC0016	0.404	0.069	94.7	-0.18	
LC0017	0.355	0.071	83.2	-0.56	
LC0018	-	-	-	-	
LC0019	0.417	0.125	97.7	-0.08	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

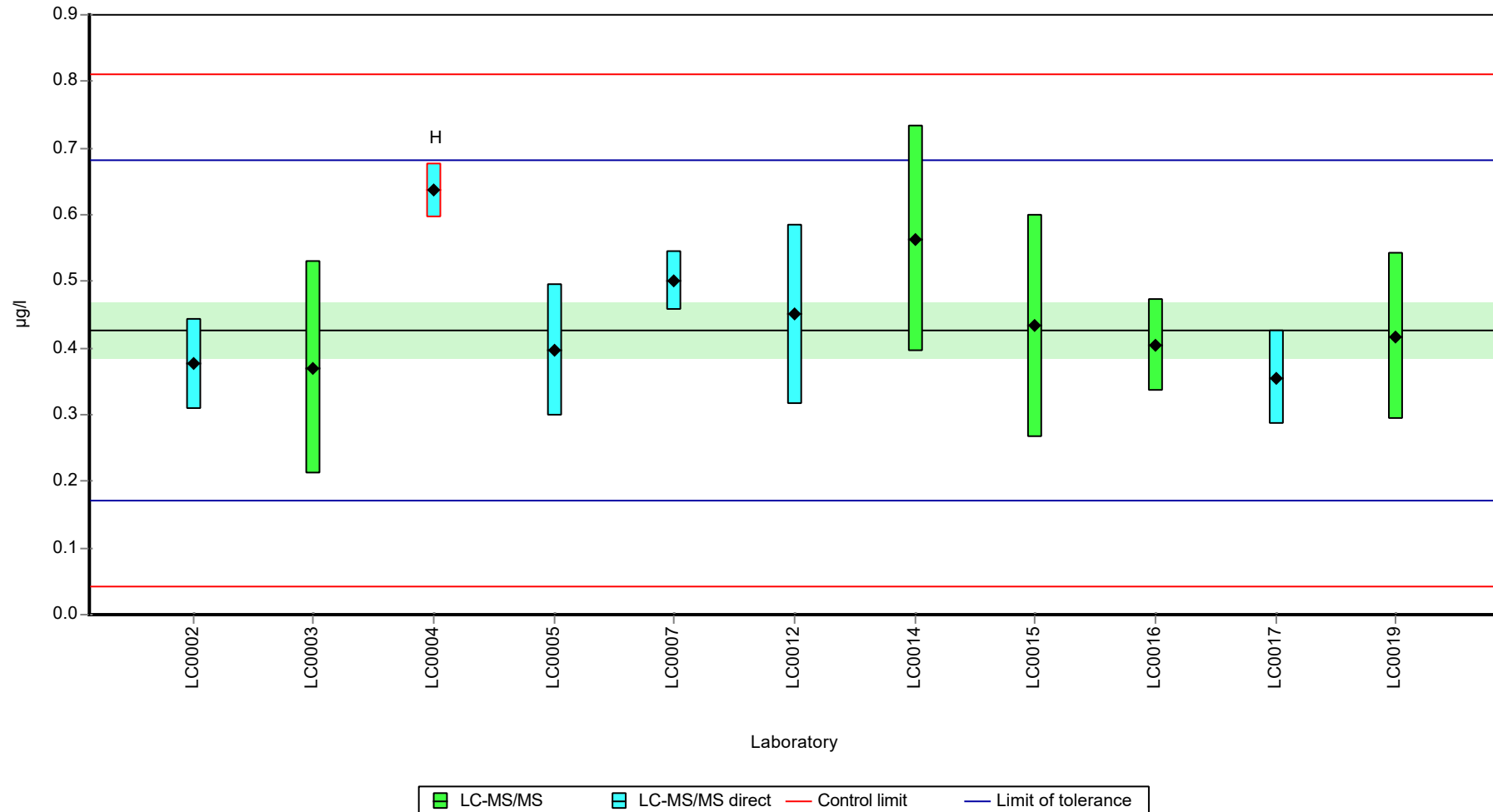
	all results	without outliers	Unit
Mean ± CI (99%)	0.446 ± 0.0795	0.427 ± 0.0612	µg/l
Minimum	0.355	0.355	µg/l
Maximum	0.636	0.564	µg/l
Standard deviation	0.0879	0.0645	µg/l
rel. standard deviation	19.7	15.1	%
n	11	10	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Cyclamate

Graphical presentation of results

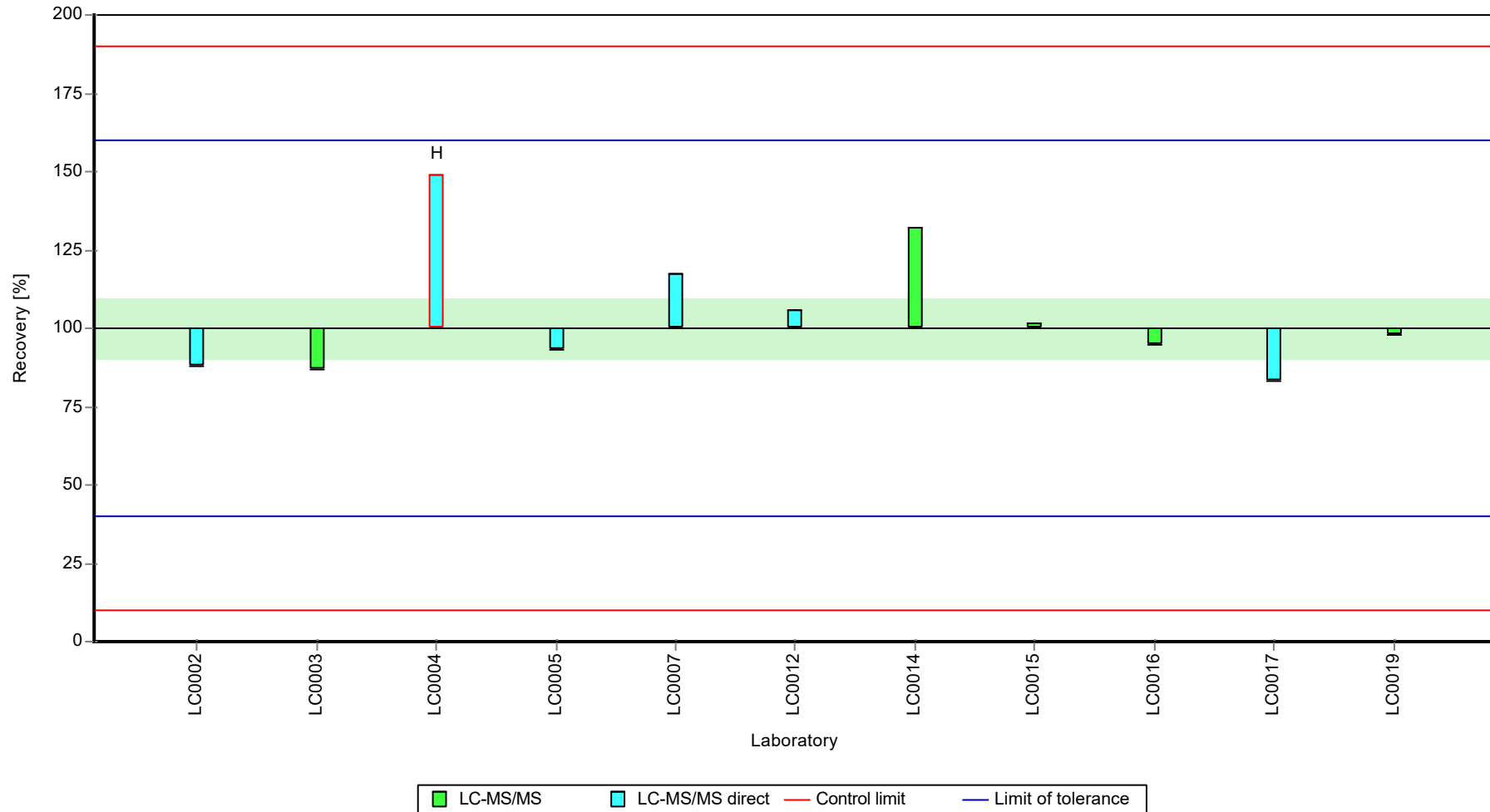
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Cyclamate

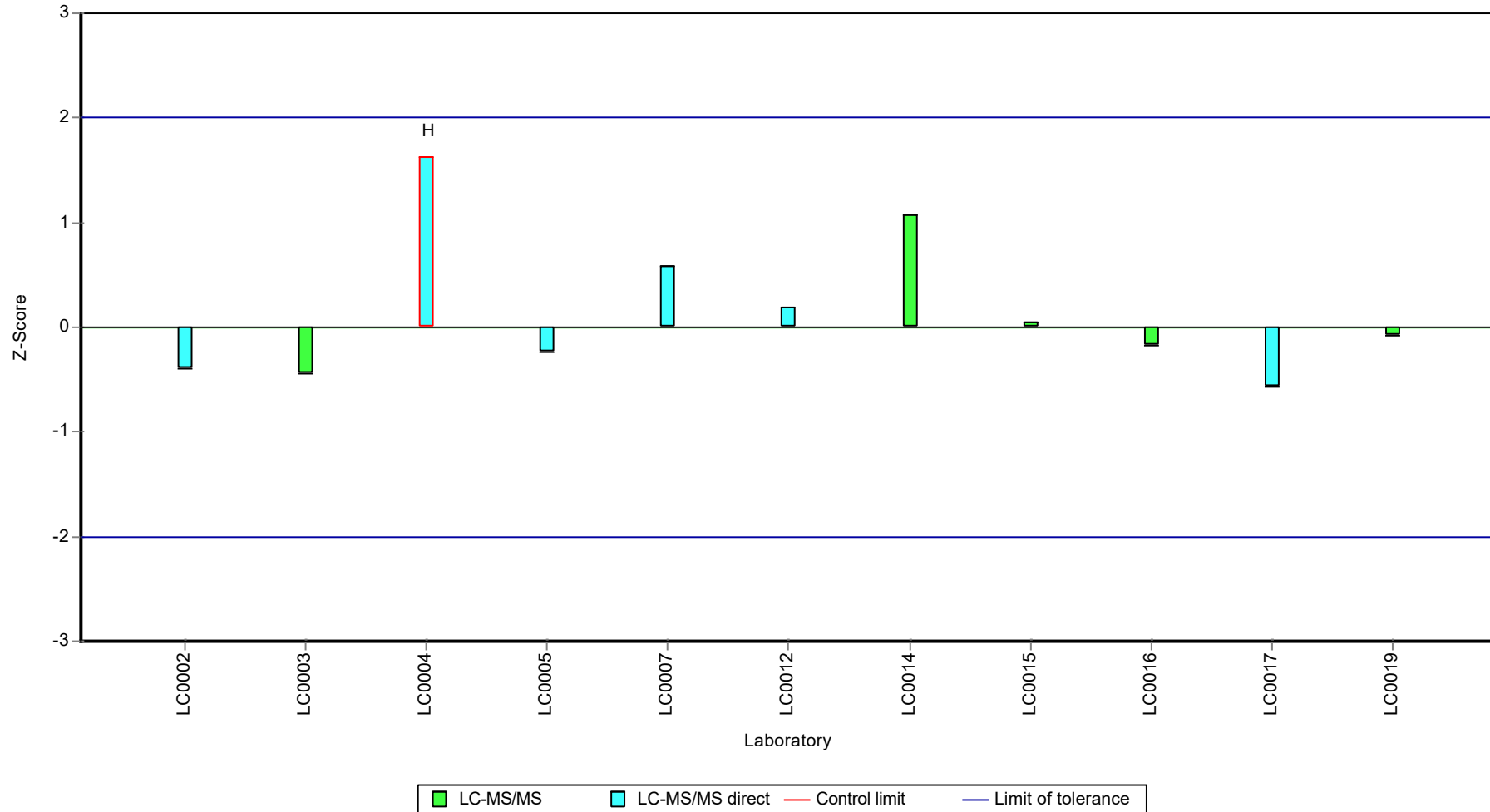
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Cyclamate

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Diazepam

Parameter oriented report

AZ10 A

Diazepam

Unit	µg/l
Assigned value ± U (k=2)	0.544 ± 0.0272
Criterion	0.0381 (7 %)
Minimum - Maximum	0.493 - 0.593
Control test value ± U (k=2)	0.545 ± 0.109

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.493	0.056	90.6	-1.34	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.546	0.137	100	0.05	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.593	0.178	109	1.29	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.541	0.044	99.5	-0.08	
LC0016	0.5027	0.0603	92.4	-1.08	
LC0017	-	-	-	-	
LC0018	0.56	0.056	103	0.42	
LC0019	0.572	0.114	105	0.74	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

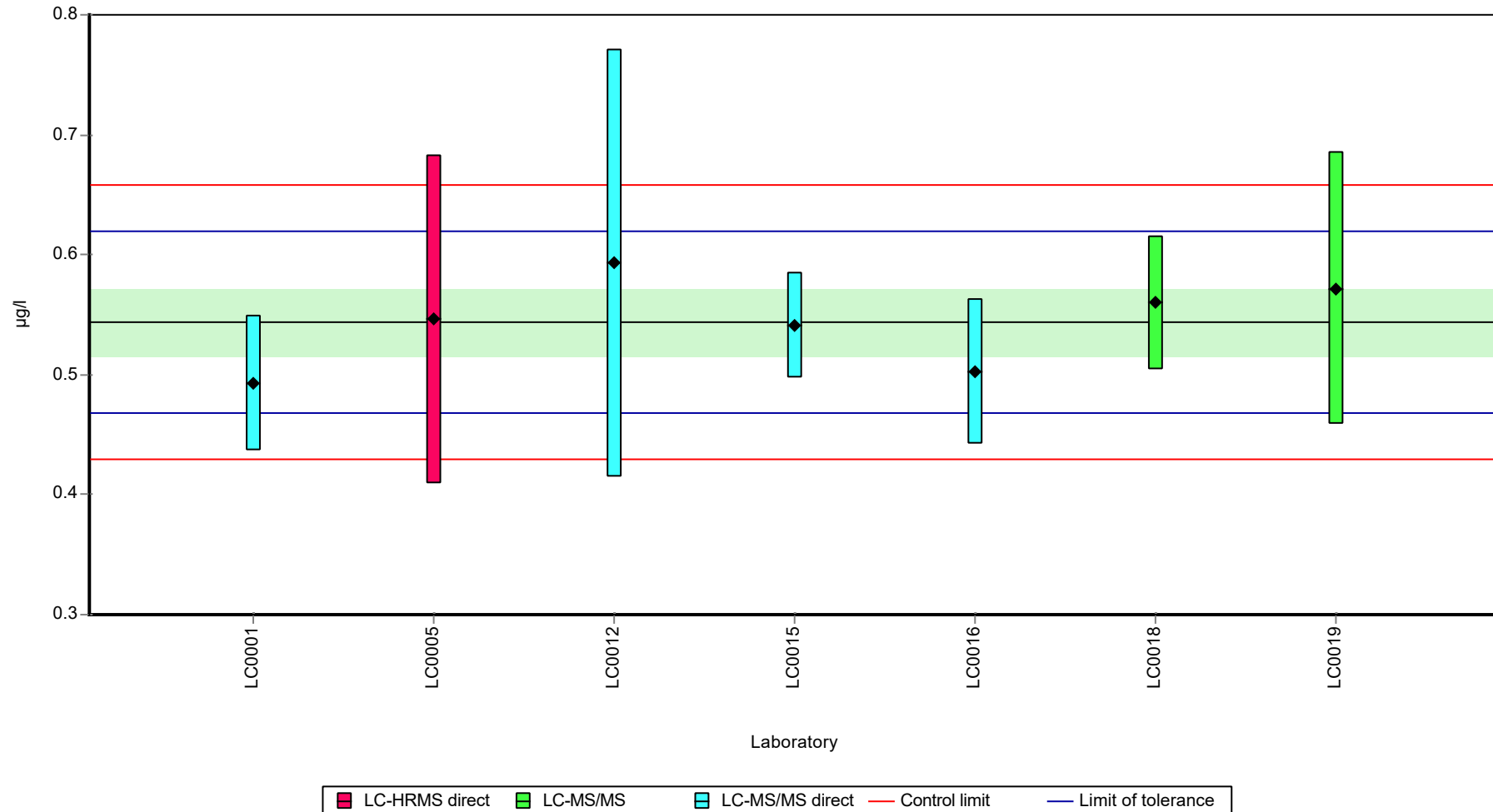
	all results	without outliers	Unit
Mean ± CI (99%)	0.544 ± 0.0408	0.544 ± 0.0408	µg/l
Minimum	0.493	0.493	µg/l
Maximum	0.593	0.593	µg/l
Standard deviation	0.036	0.036	µg/l
rel. standard deviation	6.61	6.61	%
n	7	7	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Diazepam

Graphical presentation of results

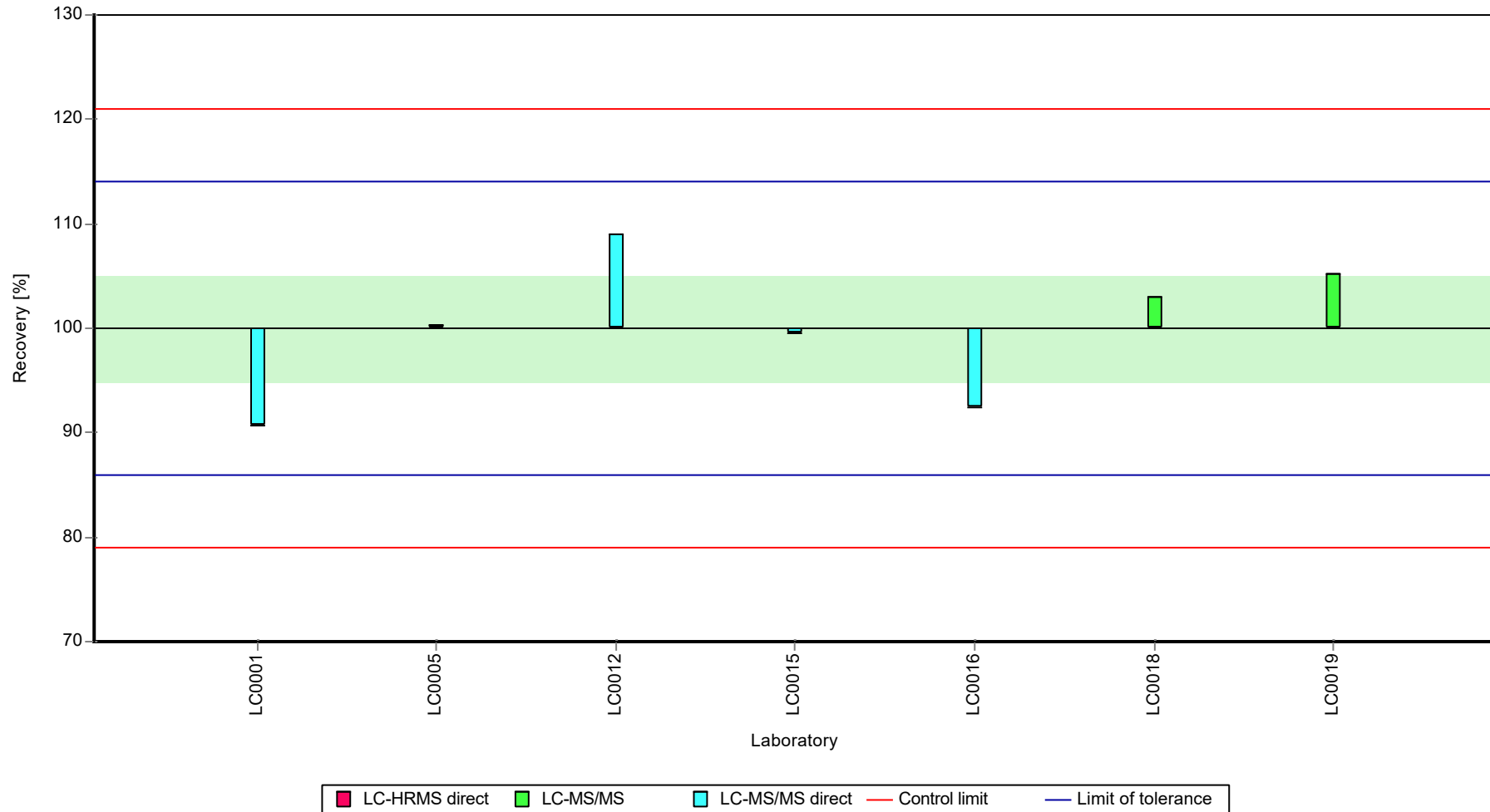
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Diazepam

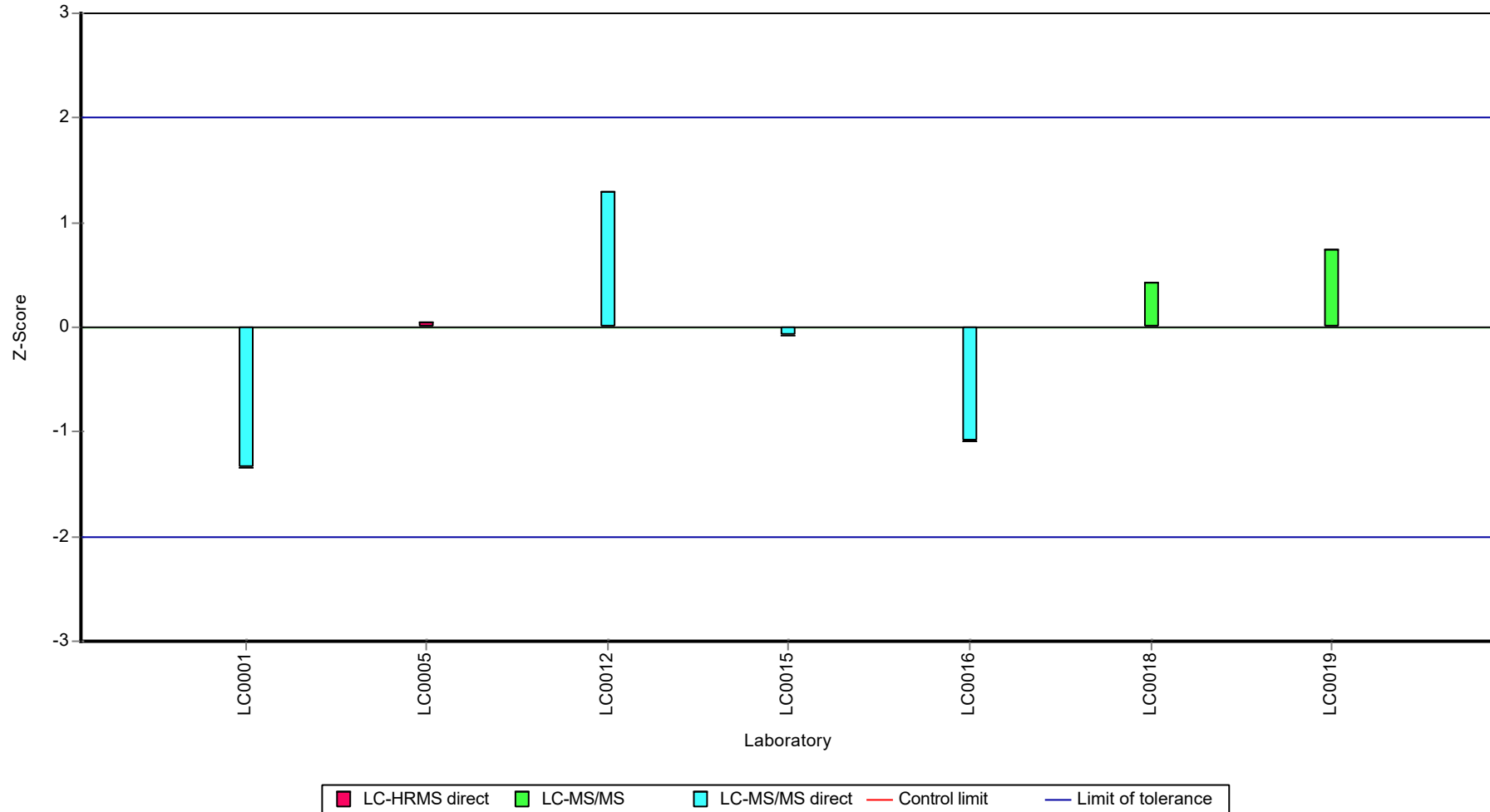
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Diazepam

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Diazepam

Parameter oriented report

AZ10 B

Diazepam

Unit	µg/l
Assigned value ± U (k=2)	0.275 ± 0.0192
Criterion	0.0275 (10 %)
Minimum - Maximum	0.241 - 0.315
Control test value ± U (k=2)	0.289 ± 0.0578

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.241	0.028	87.8	-1.22	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.269	0.067	97.9	-0.21	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.267	0.08	97.2	-0.28	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	0.275	0.023	100	0.01	
LC0016	0.2555	0.0307	93	-0.7	
LC0017	-	-	-	-	
LC0018	0.3	0.03	109	0.92	
LC0019	0.315	0.063	115	1.47	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

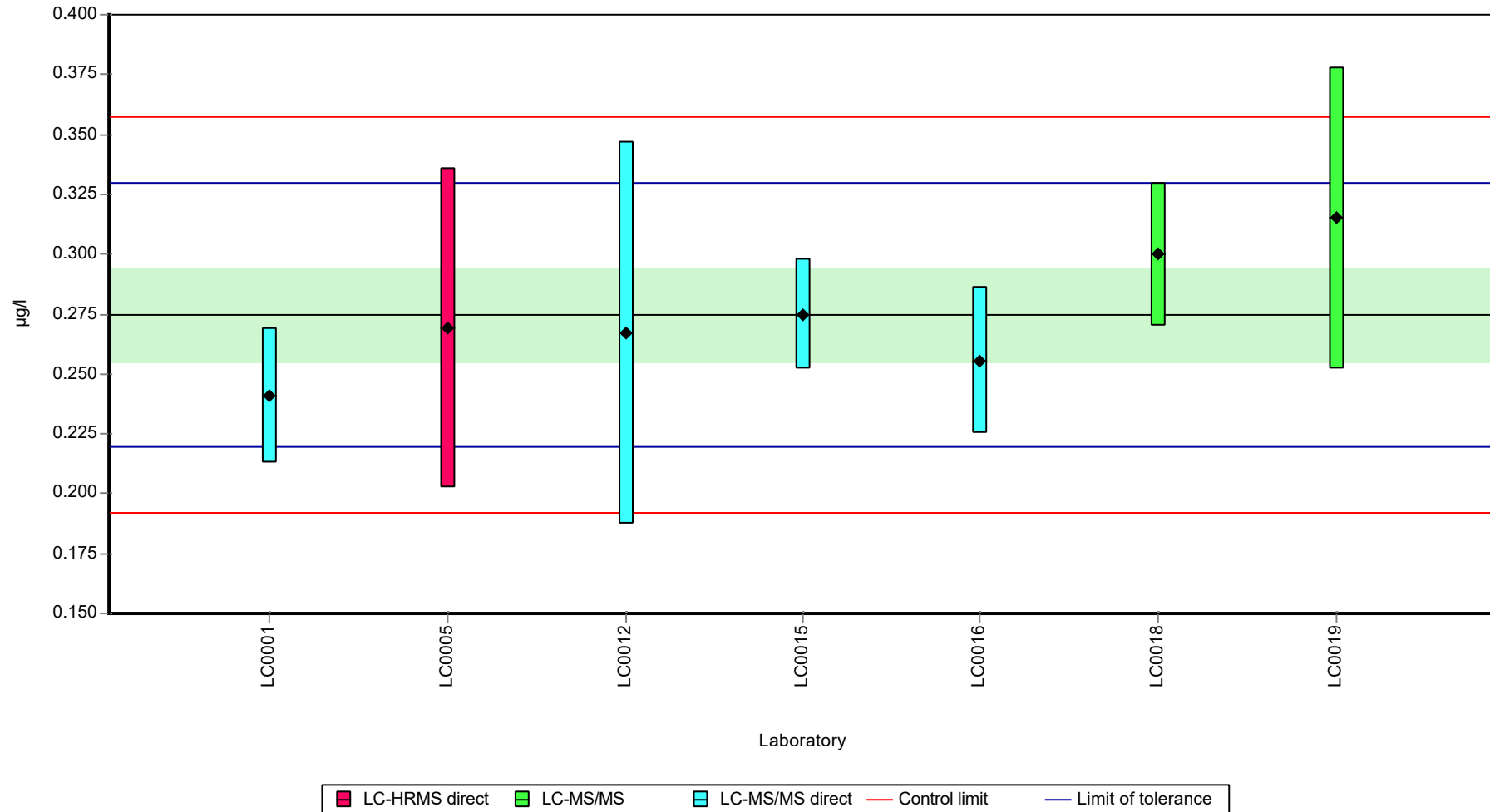
	all results	without outliers	Unit
Mean ± CI (99%)	0.275 ± 0.0288	0.275 ± 0.0288	µg/l
Minimum	0.241	0.241	µg/l
Maximum	0.315	0.315	µg/l
Standard deviation	0.0254	0.0254	µg/l
rel. standard deviation	9.24	9.24	%
n	7	7	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Diazepam

Graphical presentation of results

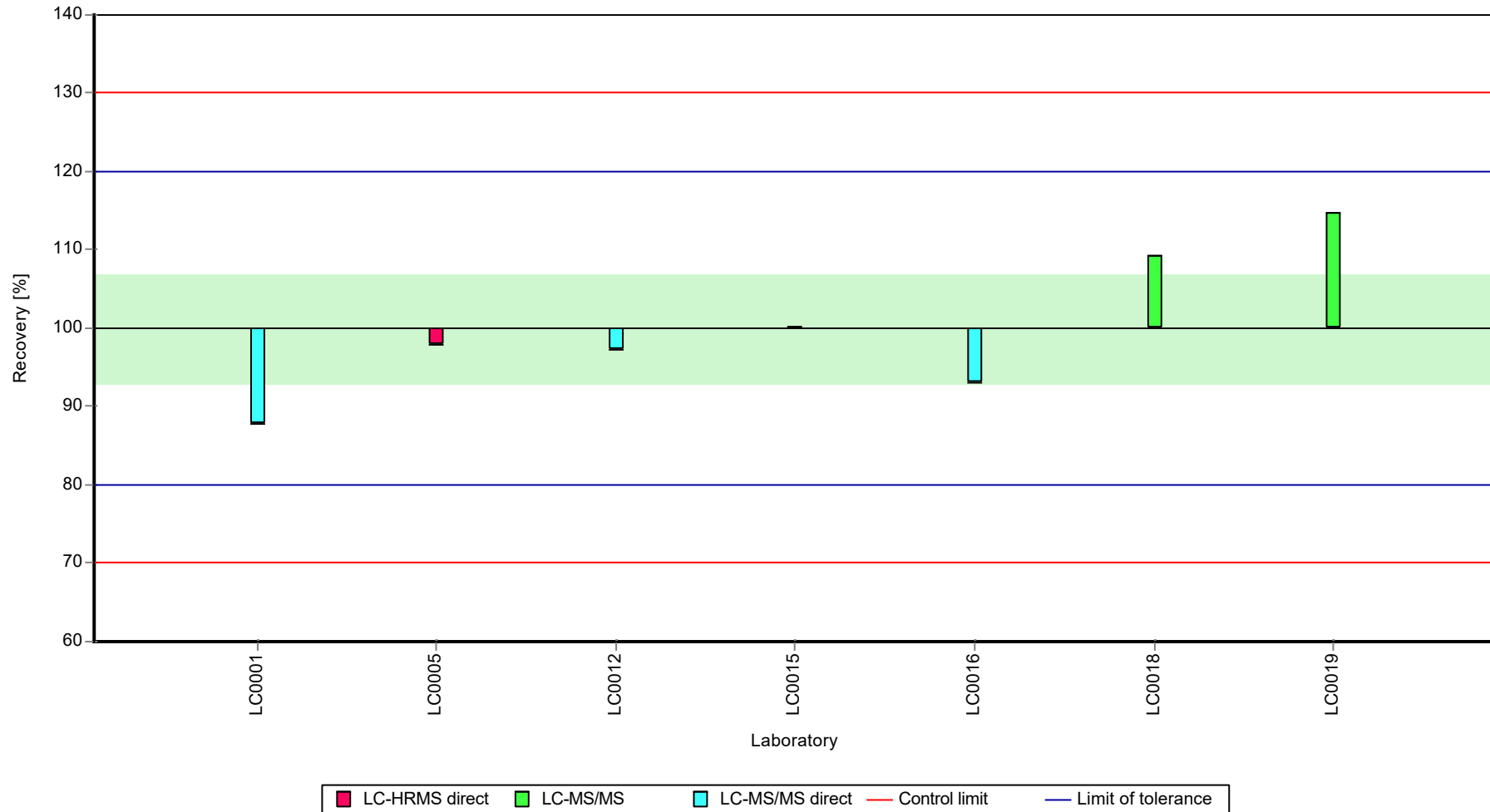
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Diazepam

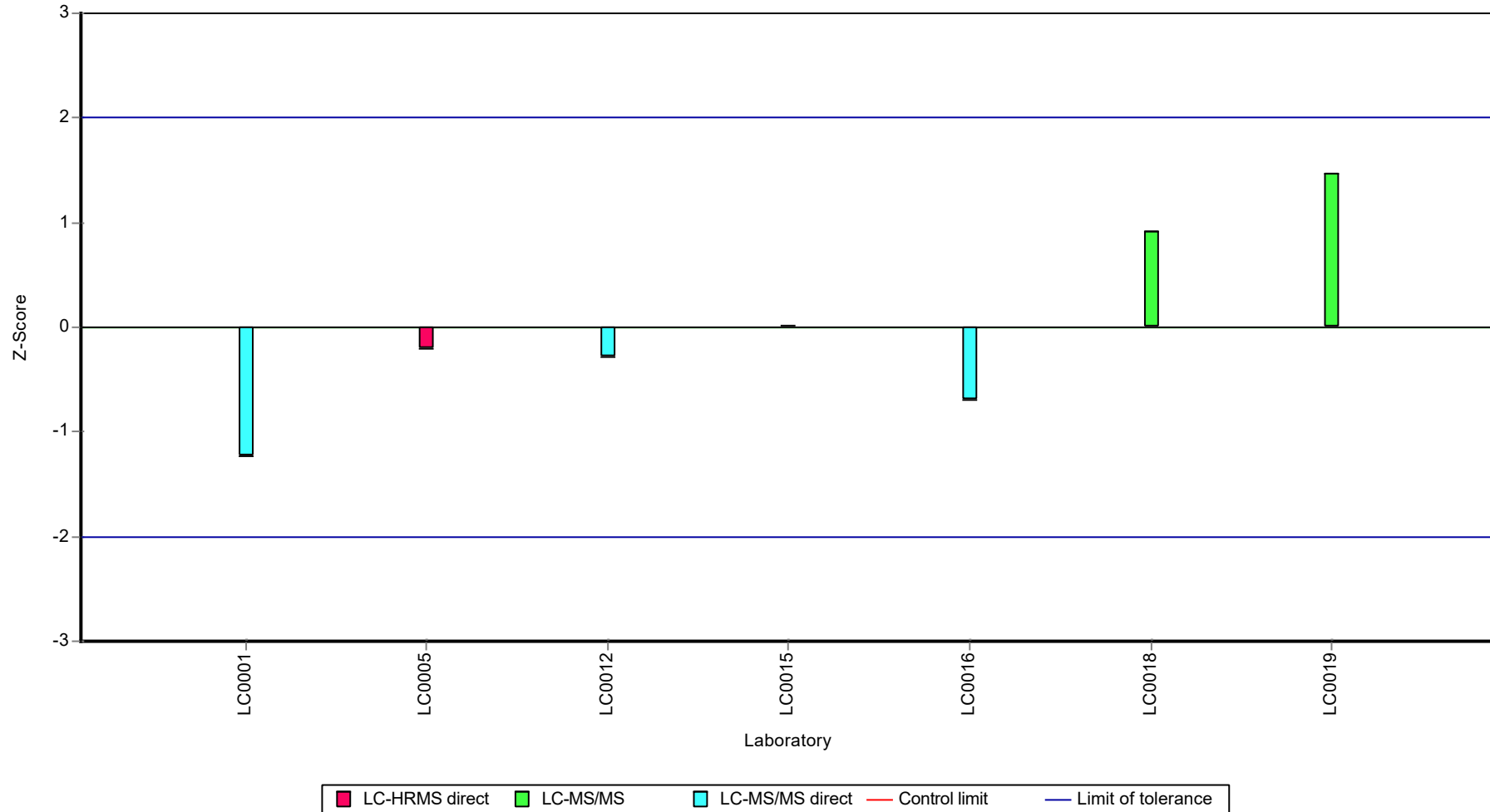
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Diazepam

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Diclofenac

Parameter oriented report

AZ10 A

Diclofenac

Unit	µg/l
Assigned value ± U (k=2)	0.913 ± 0.106
Criterion	0.21 (23 %)
Minimum - Maximum	0.412 - 1.21
Control test value ± U (k=2)	1.25 ± 0.374

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.952	0.114	104	0.18	
LC0002	1.106	0.199	121	0.92	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.969	0.242	106	0.26	
LC0006	1.0027	0.2507	110	0.42	
LC0007	0.412	0.016	45.1	-2.39	
LC0008	1.212	0.303	133	1.42	
LC0009	0.923	0.15	101	0.05	
LC0010	0.74	0.222	81	-0.83	
LC0011	-	-	-	-	
LC0012	0.788	0.237	86.3	-0.6	
LC0013	1.05	0.31	115	0.65	
LC0014	-	-	-	-	
LC0015	1.102	0.348	121	0.9	
LC0016	1.064	0.2766	116	0.72	
LC0017	0.727	0.145	79.6	-0.89	
LC0018	0.7	0.07	76.6	-1.02	
LC0019	0.954	0.191	104	0.19	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

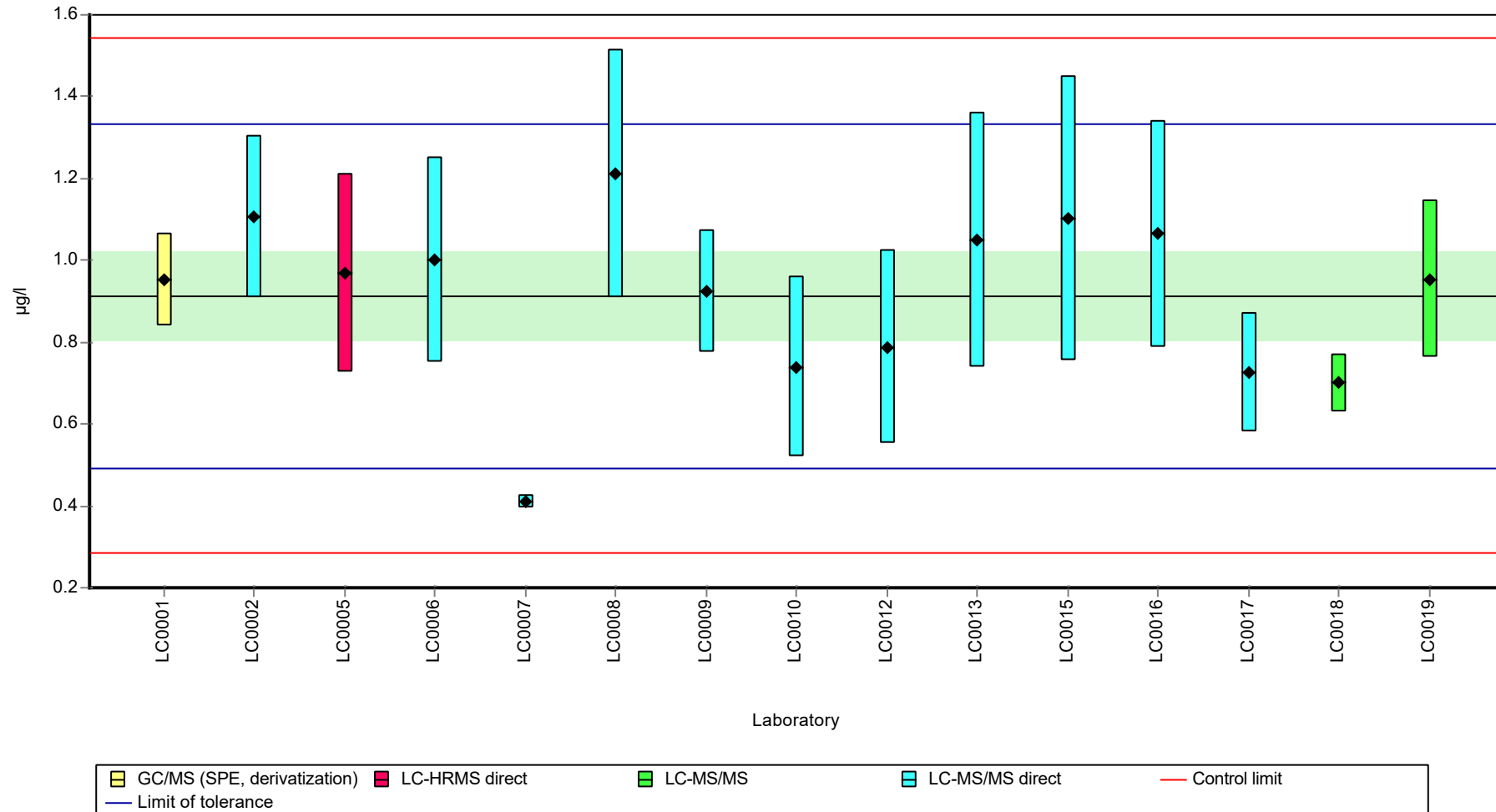
	all results	without outliers	Unit
Mean ± CI (99%)	0.913 ± 0.16	0.913 ± 0.16	µg/l
Minimum	0.412	0.412	µg/l
Maximum	1.21	1.21	µg/l
Standard deviation	0.206	0.206	µg/l
rel. standard deviation	22.6	22.6	%
n	15	15	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Diclofenac

Graphical presentation of results

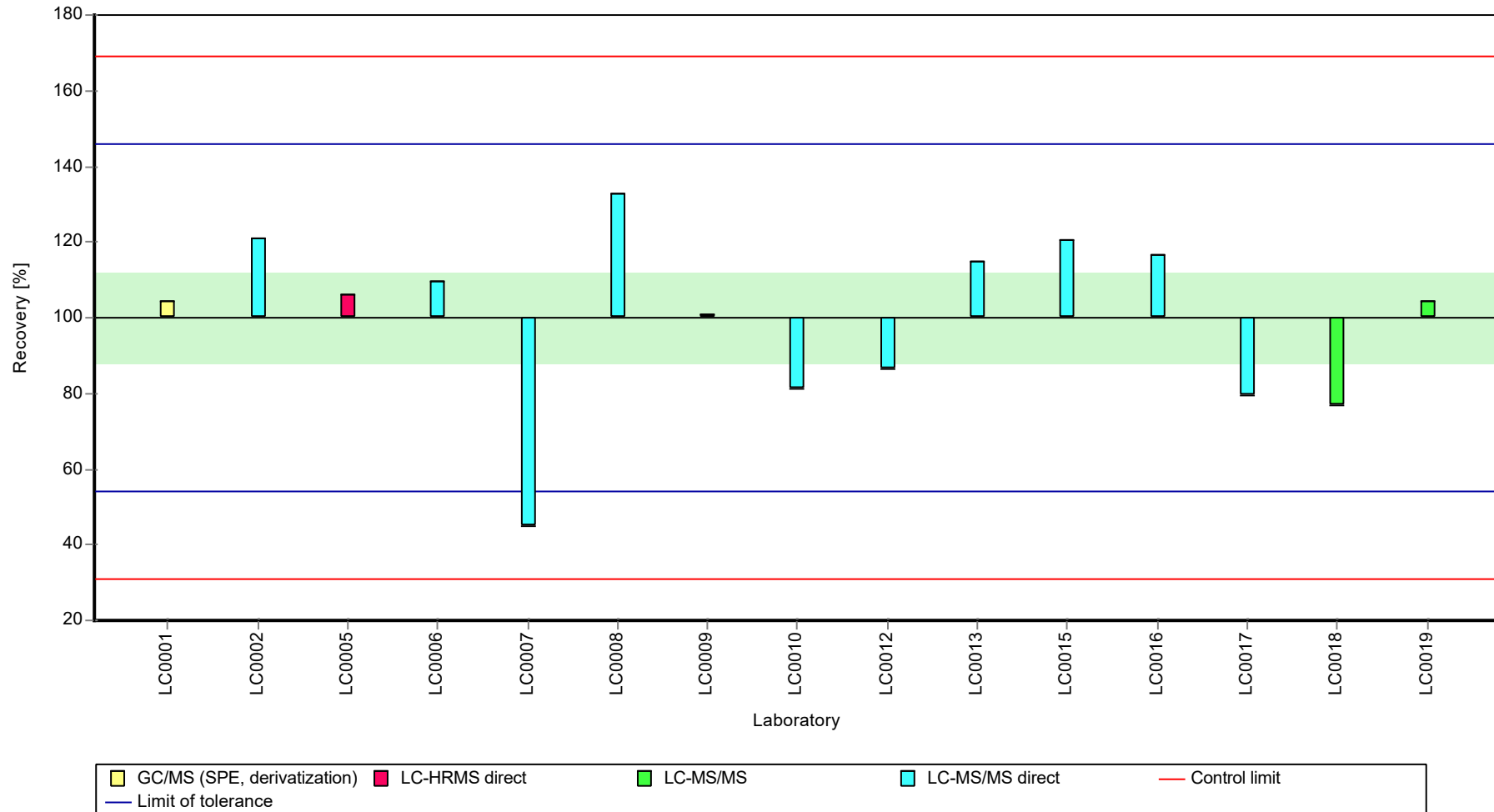
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Diclofenac

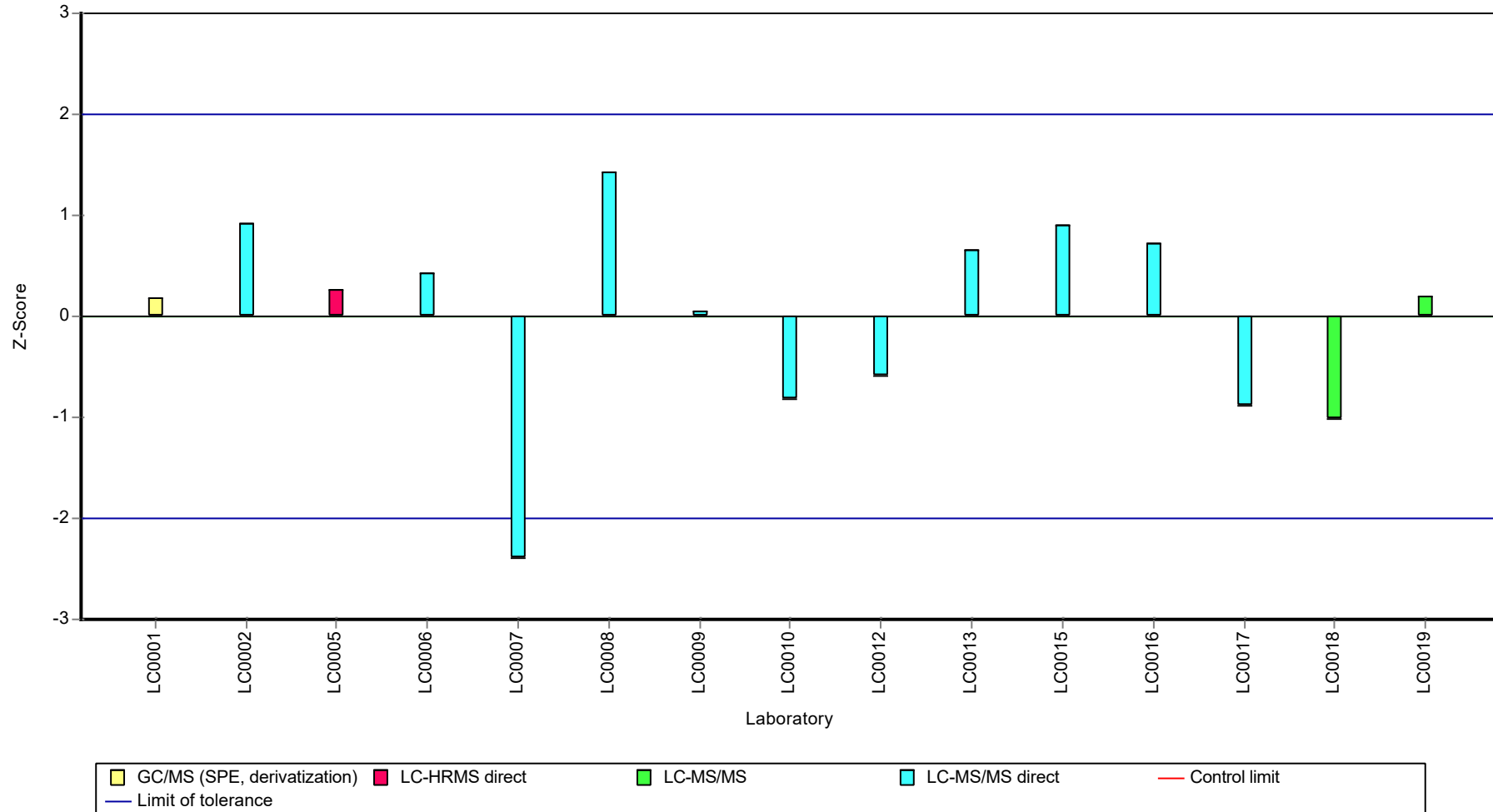
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Diclofenac

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Diclofenac

Parameter oriented report

AZ10 B

Diclofenac

Unit	µg/l
Assigned value ± U (k=2)	4.07 ± 0.211
Criterion	0.569 (14 %)
Minimum - Maximum	3.4 - 4.66
Control test value ± U (k=2)	5.32 ± 1.6

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	4.04	0.485	99.3	-0.05	
LC0002	4.289	0.772	105	0.39	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	4.26	1.065	105	0.34	
LC0006	3.3955	0.8485	83.5	-1.18	
LC0007	4.66	0.186	115	1.04	
LC0008	4.223	1.056	104	0.27	
LC0009	3.784	0.62	93	-0.5	
LC0010	3.4	1.02	83.6	-1.17	
LC0011	-	-	-	-	
LC0012	4.4	1.32	108	0.59	
LC0013	3.9	1.2	95.9	-0.29	
LC0014	-	-	-	-	
LC0015	4.202	1.33	103	0.24	
LC0016	-	-	-	-	
LC0017	4.46	0.892	110	0.69	
LC0018	3.6	0.36	88.5	-0.82	
LC0019	4.32	0.864	106	0.44	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

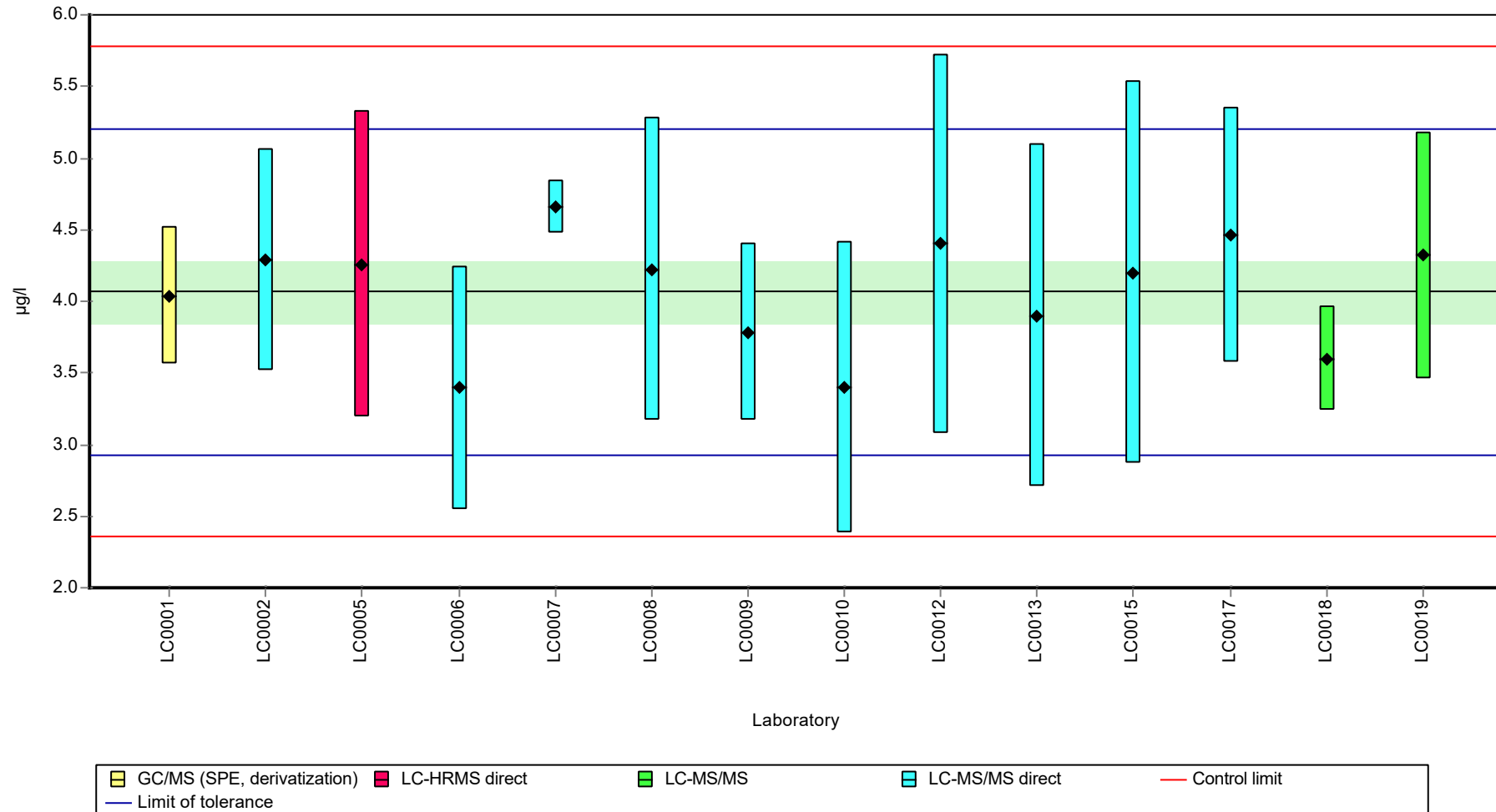
	all results	without outliers	Unit
Mean ± CI (99%)	4.07 ± 0.317	4.07 ± 0.317	µg/l
Minimum	3.4	3.4	µg/l
Maximum	4.66	4.66	µg/l
Standard deviation	0.395	0.395	µg/l
rel. standard deviation	9.72	9.72	%
n	14	14	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Diclofenac

Graphical presentation of results

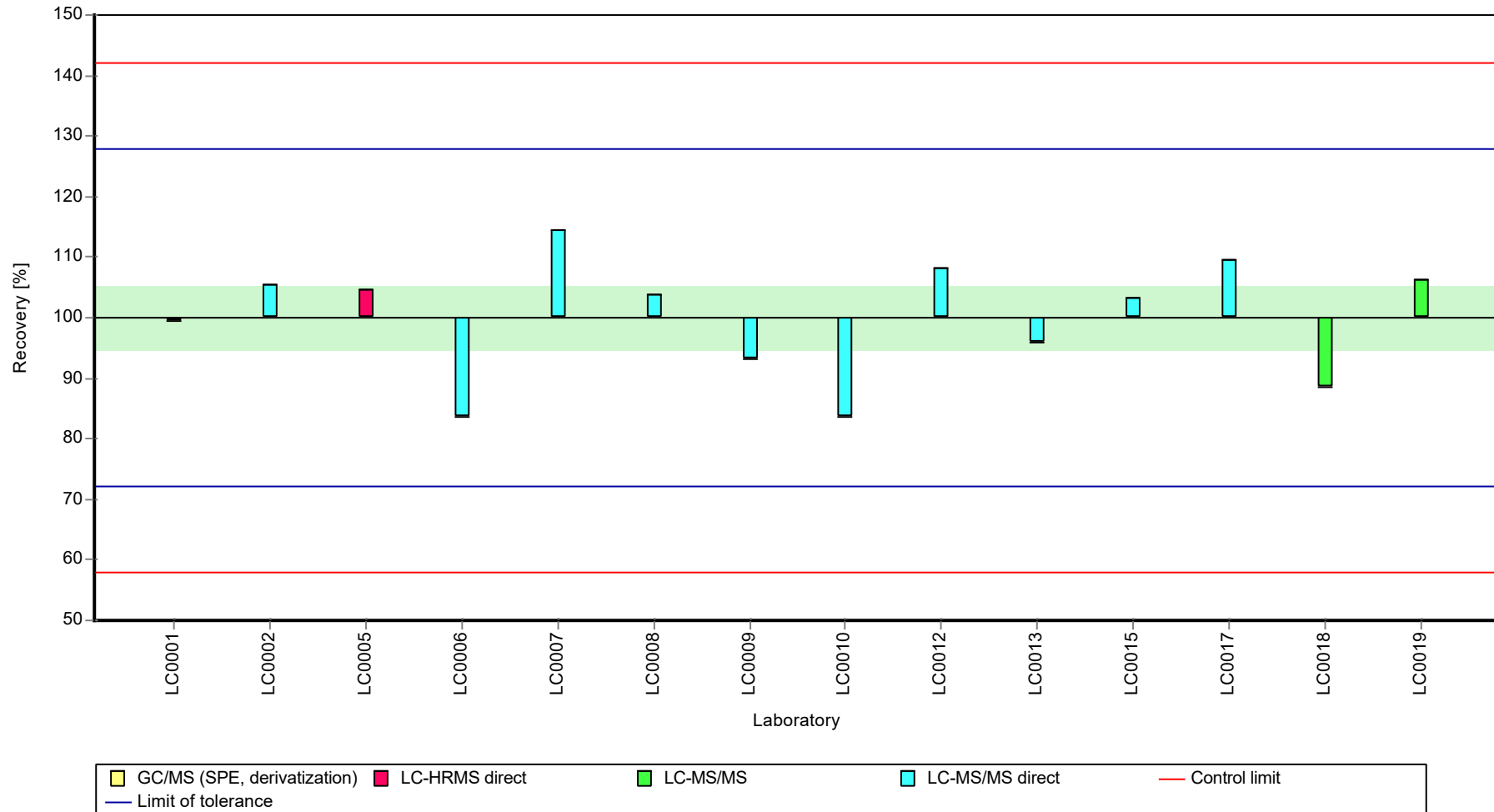
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Diclofenac

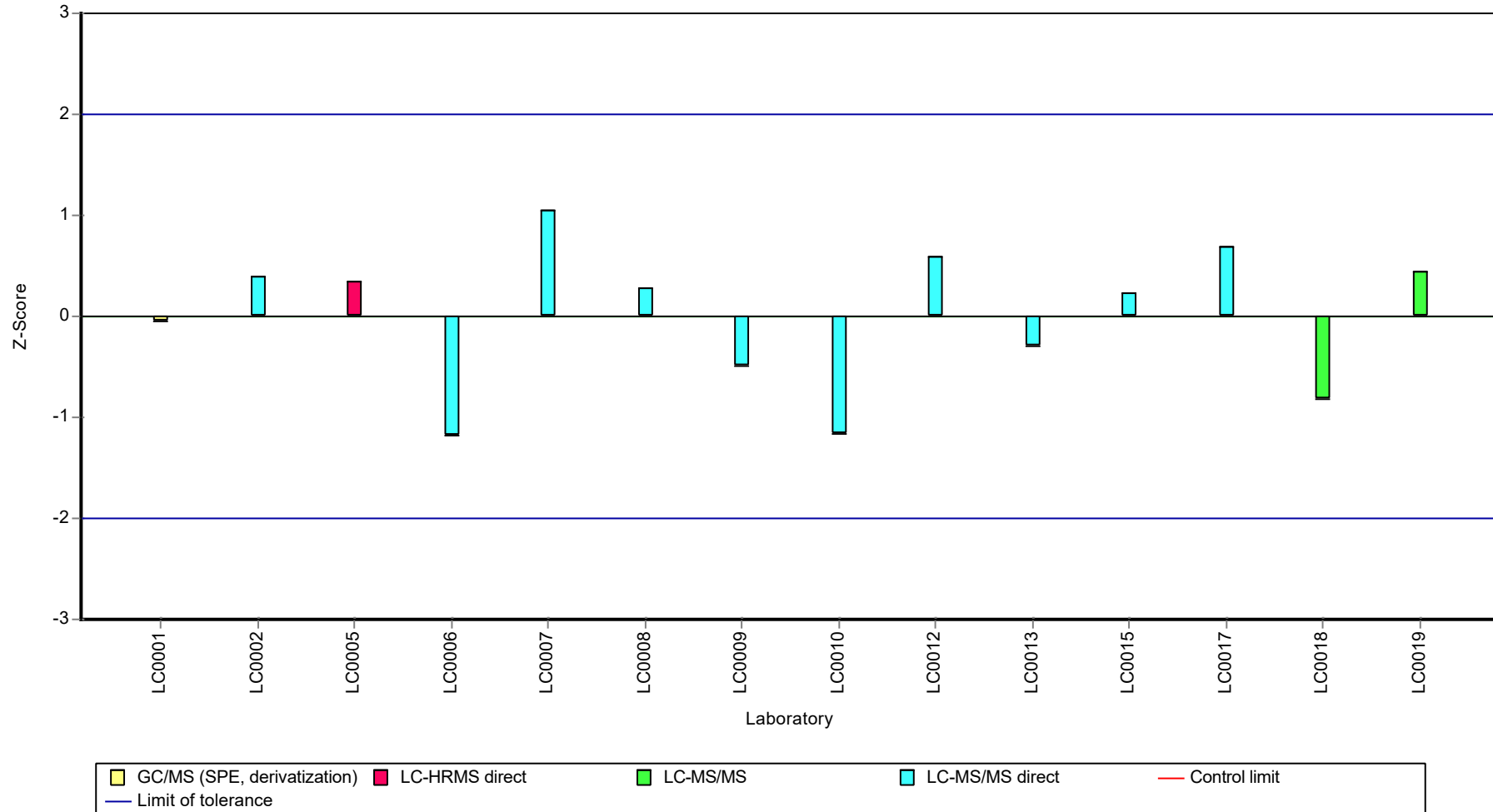
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Diclofenac

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Ibuprofen

Parameter oriented report

AZ10 A

Ibuprofen

Unit	µg/l
Assigned value ± U (k=2)	0.948 ± 0.0866
Criterion	0.133 (14 %)
Minimum - Maximum	0.787 - 1.21
Control test value ± U (k=2)	1.23 ± 0.245

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.212	0.133	128	1.99	
LC0002	1.122	0.202	118	1.31	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.922	0.231	97.2	-0.2	
LC0006	0.8677	0.2169	91.5	-0.61	
LC0007	1.02	0.204	108	0.54	
LC0008	0.787	0.236	83	-1.22	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.919	0.184	96.9	-0.22	
LC0013	0.925	0.28	97.5	-0.18	
LC0014	-	-	-	-	
LC0015	0.884	0.108	93.2	-0.49	
LC0016	-	-	-	-	
LC0017	1.042	0.21	110	0.7	
LC0018	0.8	0.08	84.4	-1.12	
LC0019	-	-	-	-	
LC0020	0.871	0.094	91.8	-0.58	
LC0021	-	-	-	-	

Characteristics of parameter

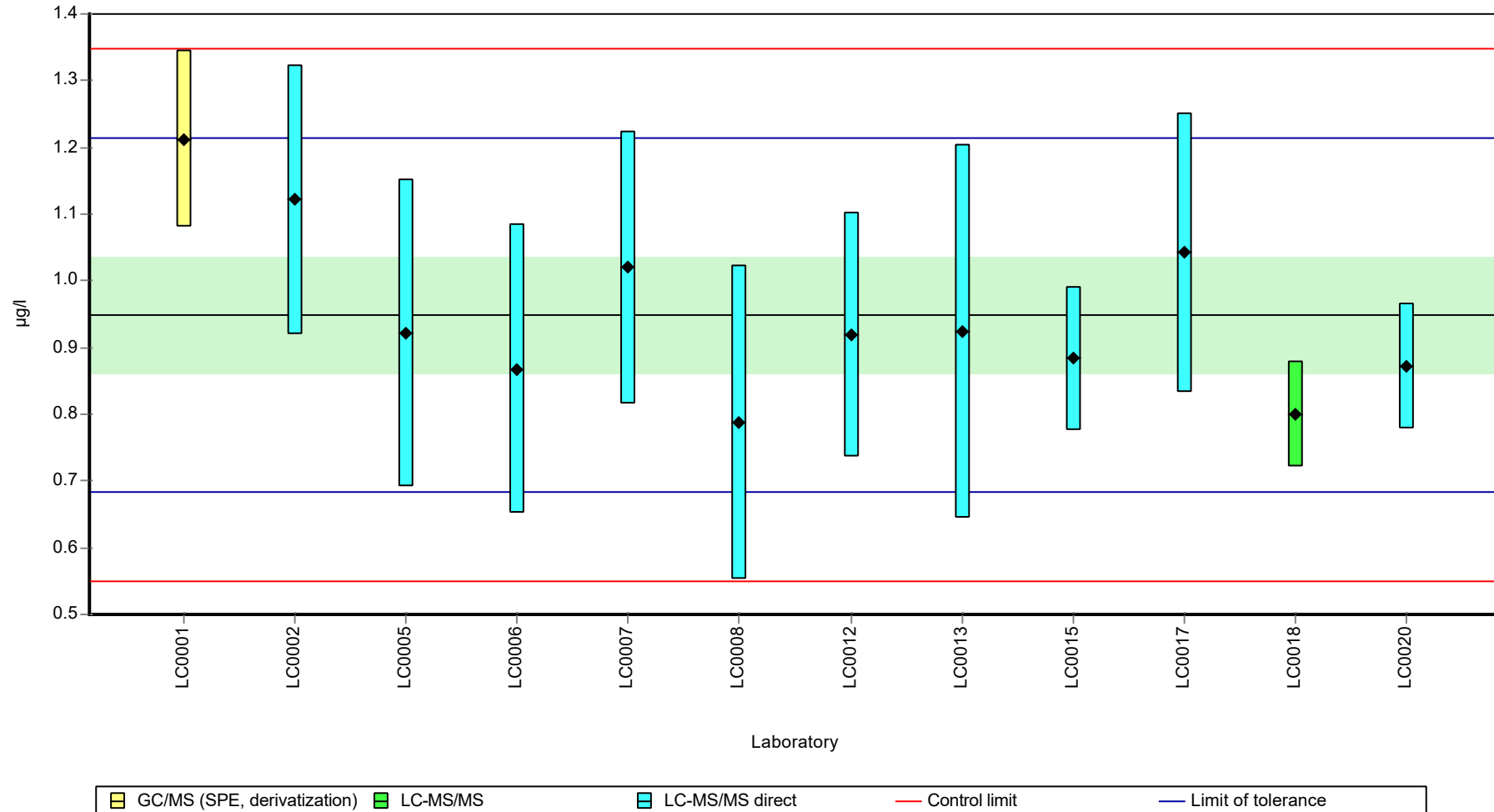
	all results	without outliers	Unit
Mean ± CI (99%)	0.948 ± 0.111	0.948 ± 0.111	µg/l
Minimum	0.787	0.787	µg/l
Maximum	1.21	1.21	µg/l
Standard deviation	0.128	0.128	µg/l
rel. standard deviation	13.5	13.5	%
n	12	12	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Ibuprofen

Graphical presentation of results

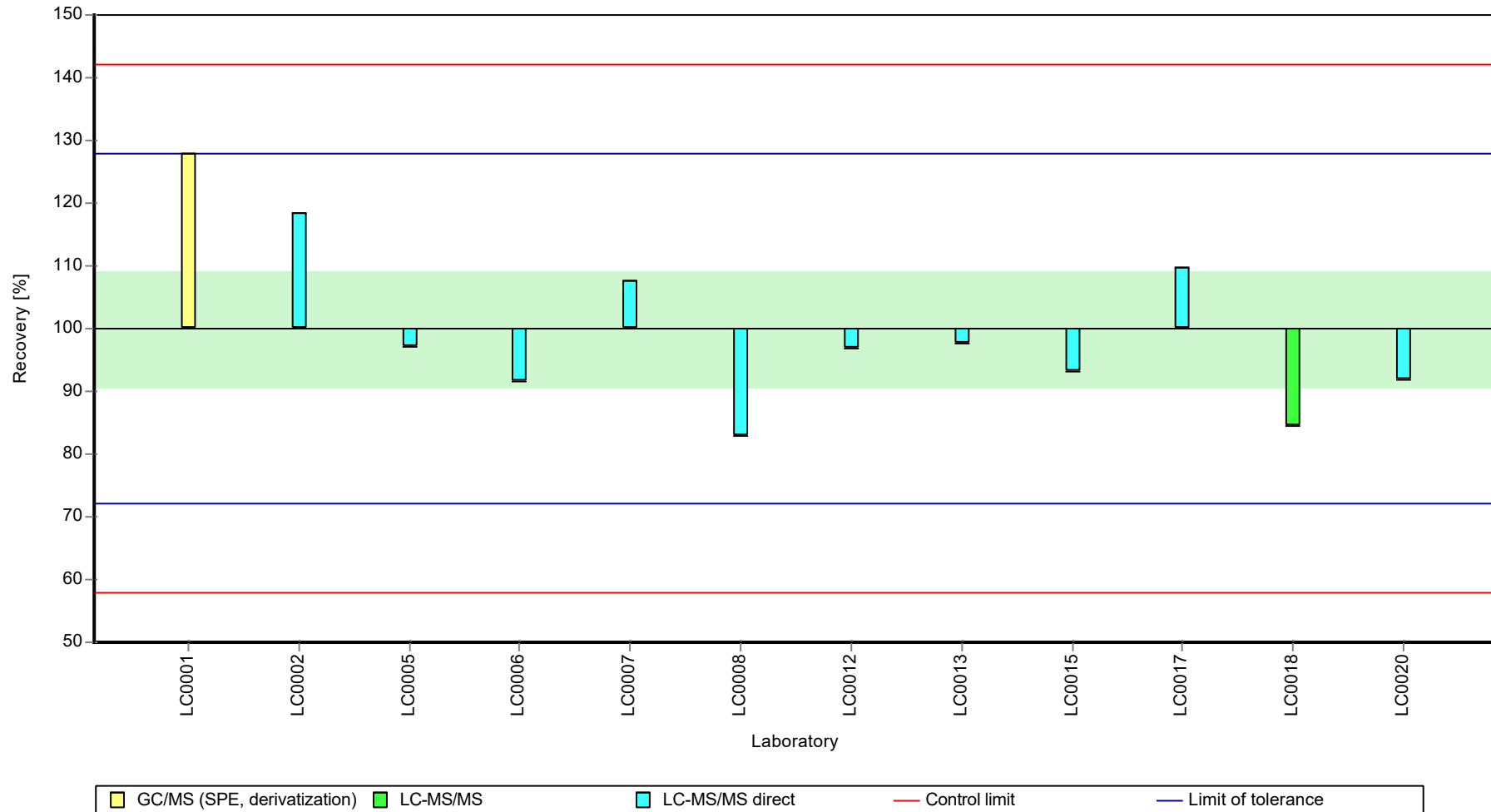
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Ibuprofen

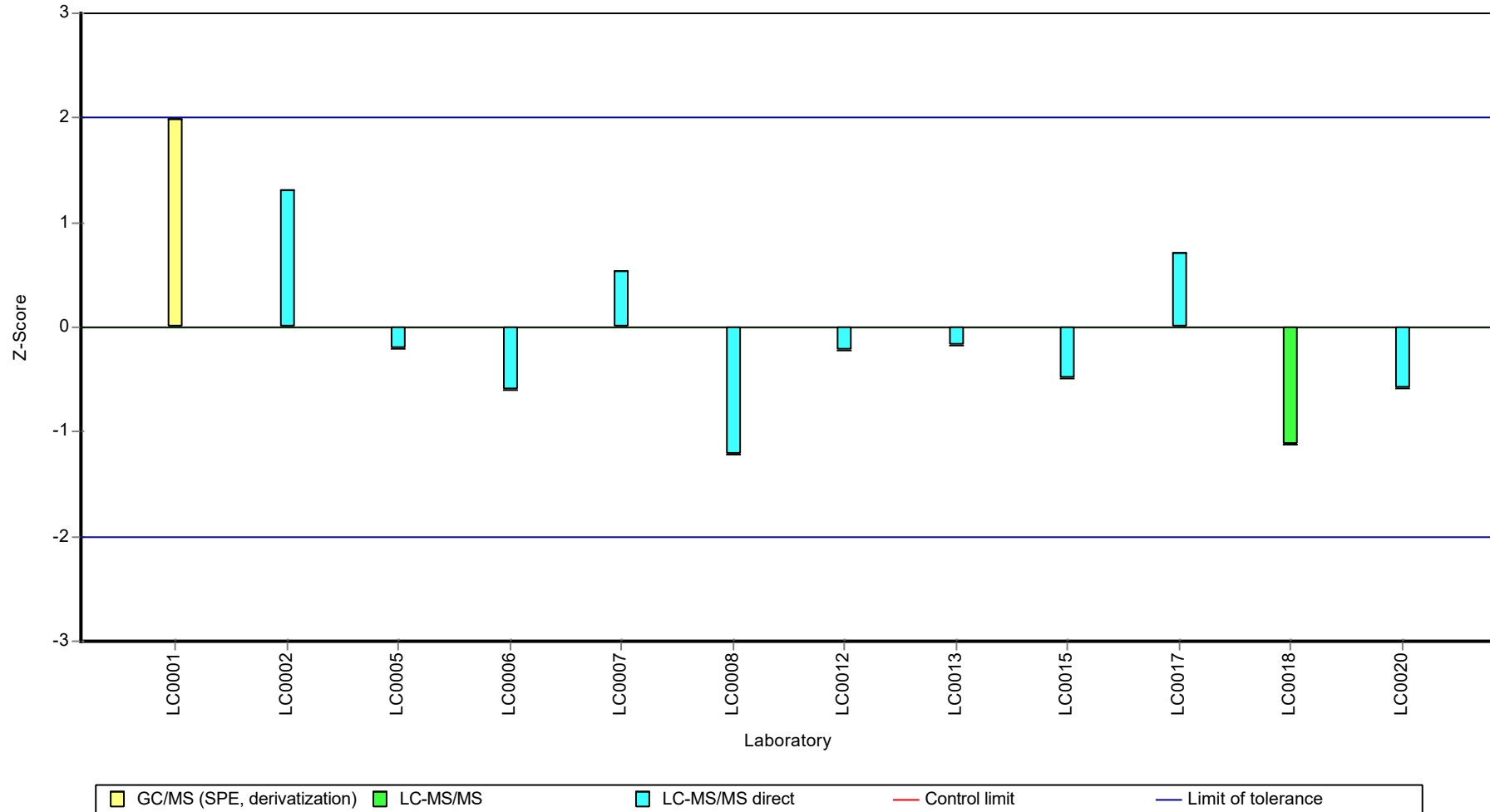
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Ibuprofen

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Ibuprofen

Parameter oriented report

AZ10 B

Ibuprofen

Unit	µg/l
Assigned value ± U (k=2)	2.26 ± 0.124
Criterion	0.204 (9 %)
Minimum - Maximum	2 - 2.61
Control test value ± U (k=2)	3.08 ± 0.616

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.61	0.287	115	1.71	
LC0002	2.254	0.406	99.7	-0.04	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	2.23	0.558	98.6	-0.15	
LC0006	1.9965	0.699	88.3	-1.3	
LC0007	2.26	0.451	99.9	-0.01	
LC0008	2.449	0.735	108	0.92	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	2.28	0.46	101	0.09	
LC0013	2.23	0.67	98.6	-0.15	
LC0014	-	-	-	-	
LC0015	2.167	0.264	95.8	-0.46	
LC0016	-	-	-	-	
LC0017	2.56	0.513	113	1.47	
LC0018	2	0.2	88.4	-1.28	
LC0019	-	-	-	-	
LC0020	2.1	0.57	92.9	-0.79	
LC0021	-	-	-	-	

Characteristics of parameter

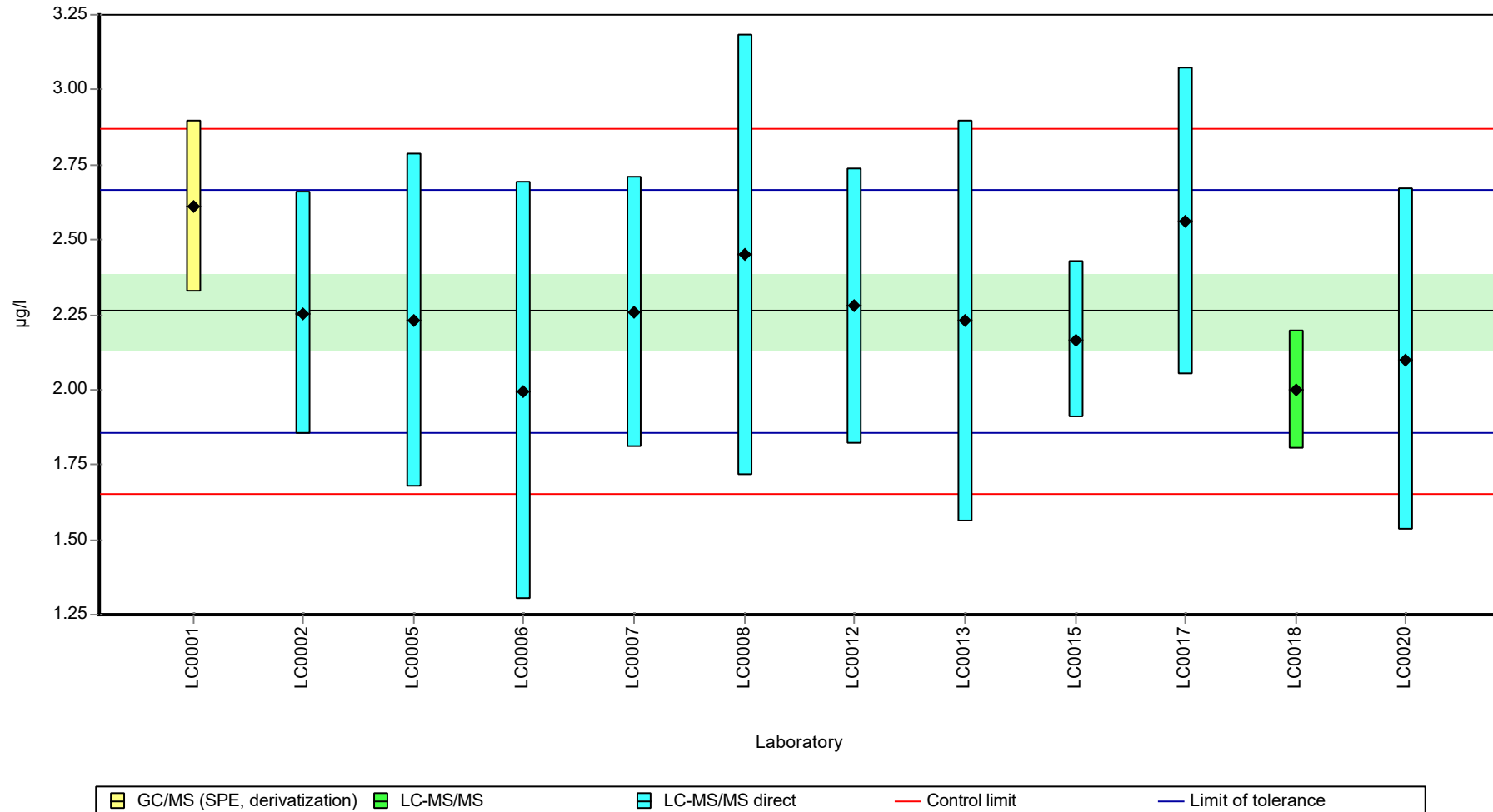
	all results	without outliers	Unit
Mean ± CI (99%)	2.26 ± 0.17	2.26 ± 0.17	µg/l
Minimum	2	2	µg/l
Maximum	2.61	2.61	µg/l
Standard deviation	0.196	0.196	µg/l
rel. standard deviation	8.66	8.66	%
n	12	12	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Ibuprofen

Graphical presentation of results

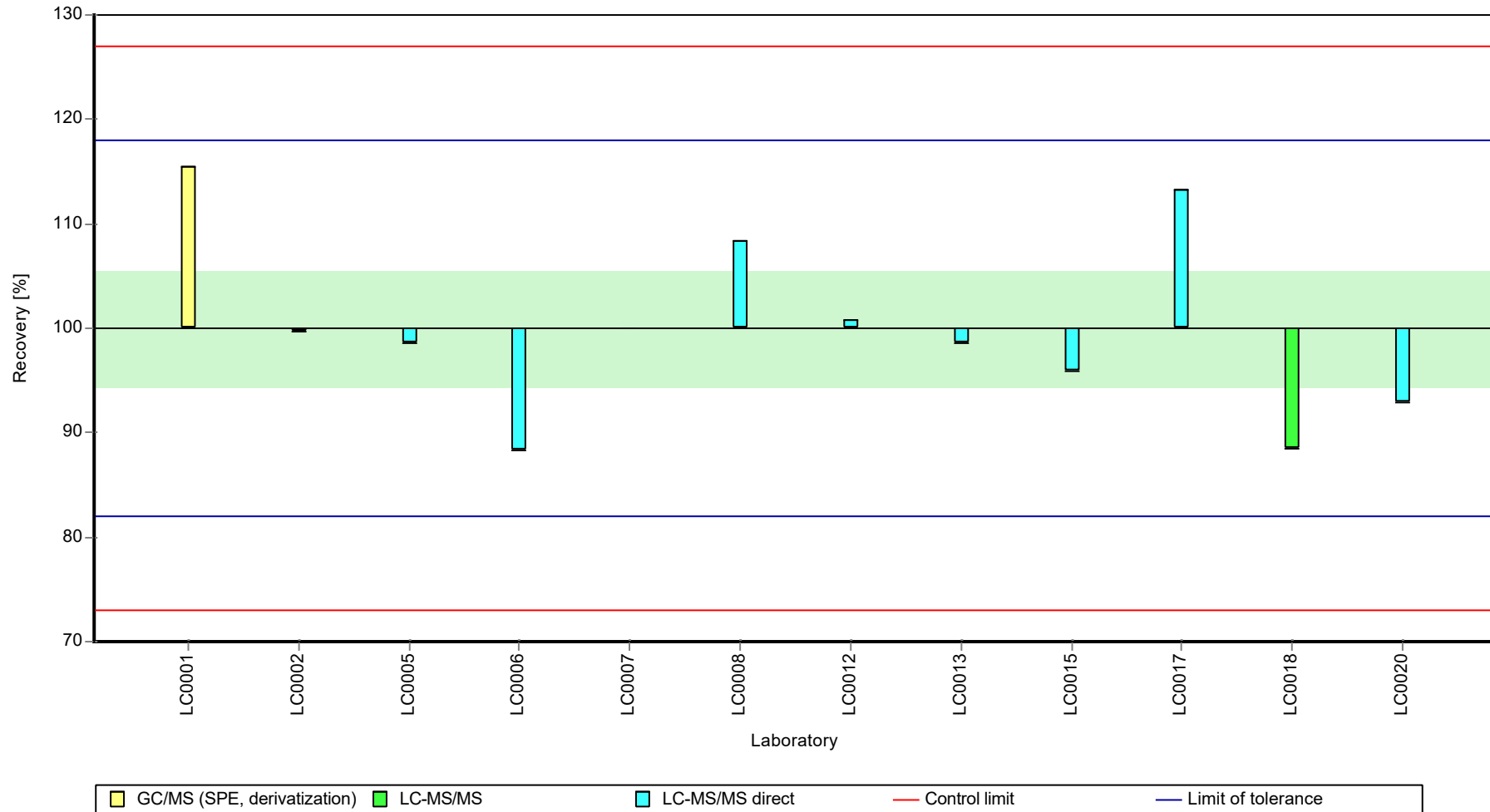
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Ibuprofen

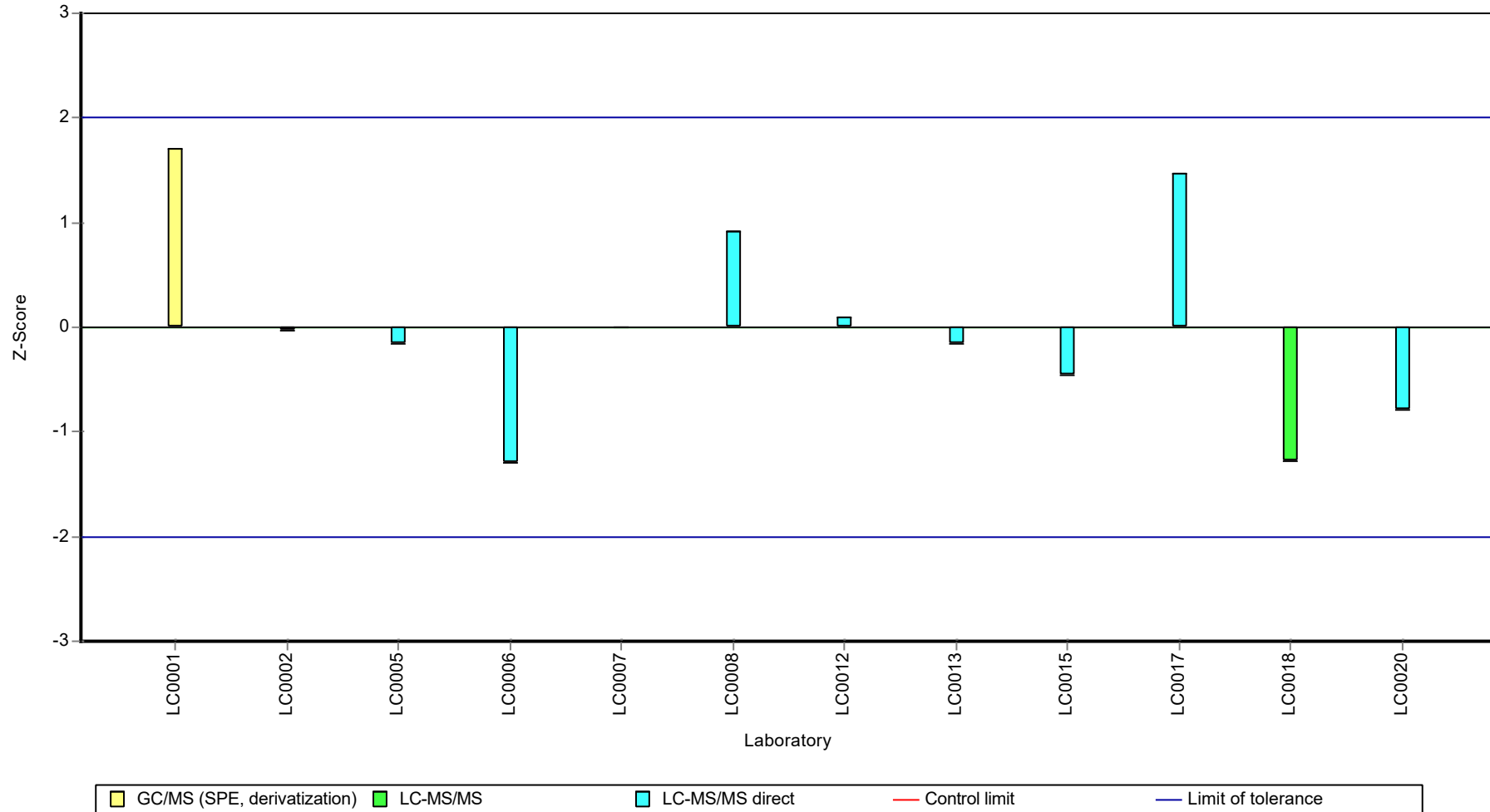
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Ibuprofen

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Iopamidol

Parameter oriented report

AZ10 A

Iopamidol

Unit	µg/l
Assigned value ± U (k=2)	1.95 ± 0.125
Criterion	0.449 (23 %)
Minimum - Maximum	1.53 - 2.3
Control test value ± U (k=2)	2.37 ± 0.473

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.813	0.528	92.9	-0.31	
LC0002	1.928	0.347	98.8	-0.05	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	2.02	0.505	104	0.15	
LC0006	-	-	-	-	
LC0007	0.819	0.164	42	-2.52	H
LC0008	-	-	-	-	
LC0009	1.526	0.35	78.2	-0.95	
LC0010	2.3	0.46	118	0.78	
LC0011	-	-	-	-	
LC0012	2.04	0.611	105	0.2	
LC0013	-	-	-	-	
LC0014	0.863	0.2589	44.2	-2.42	H
LC0015	2.052	0.615	105	0.23	
LC0016	1.93	0.521	98.9	-0.05	
LC0017	2.6	0.52	133	1.45	H
LC0018	2	0.2	103	0.11	
LC0019	1.9	0.379	97.4	-0.11	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

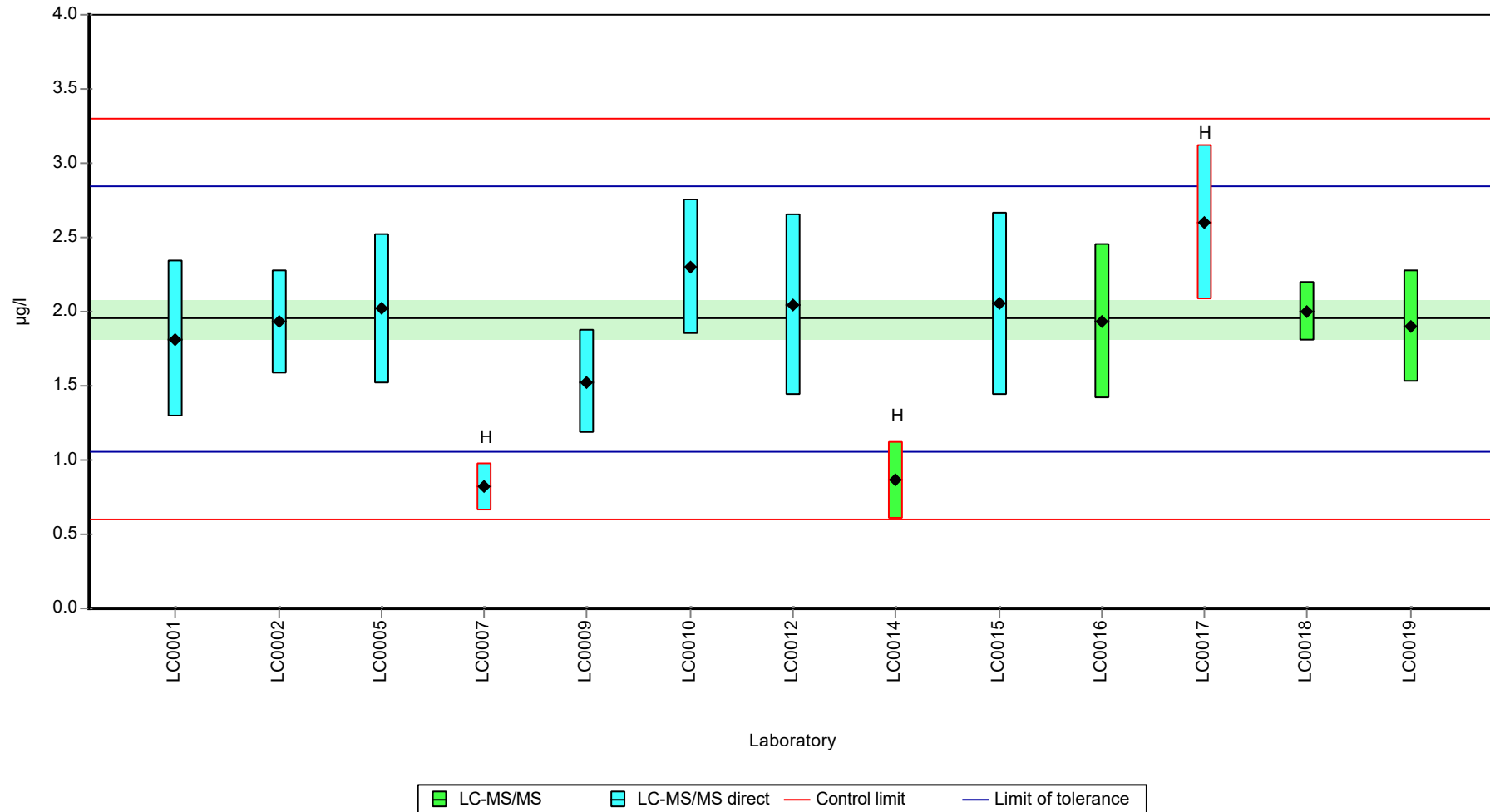
	all results	without outliers	Unit
Mean ± CI (99%)	1.83 ± 0.419	1.95 ± 0.187	µg/l
Minimum	0.819	1.53	µg/l
Maximum	2.6	2.3	µg/l
Standard deviation	0.504	0.197	µg/l
rel. standard deviation	27.5	10.1	%
n	13	10	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Iopamidol

Graphical presentation of results

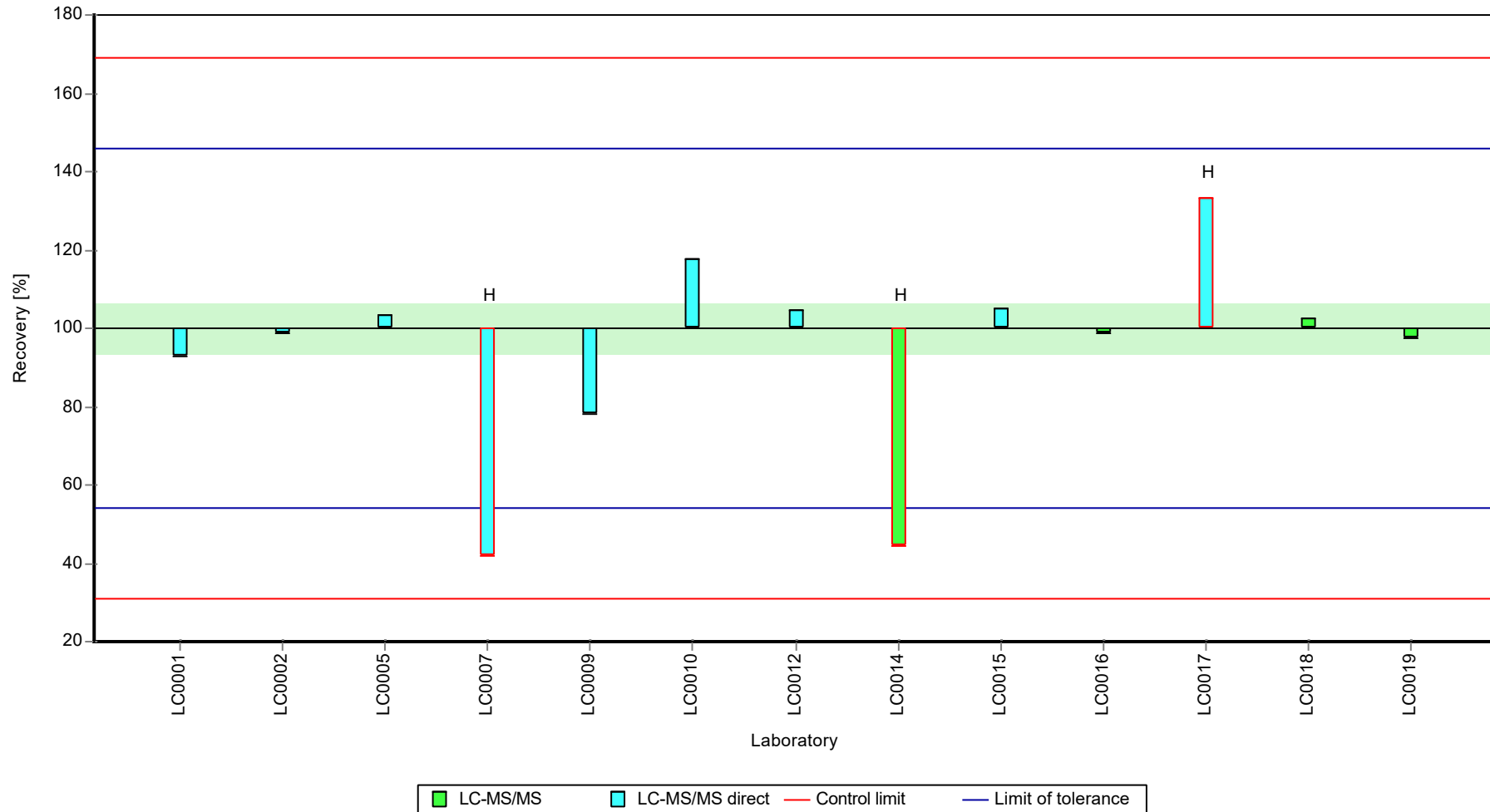
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Iopamidol

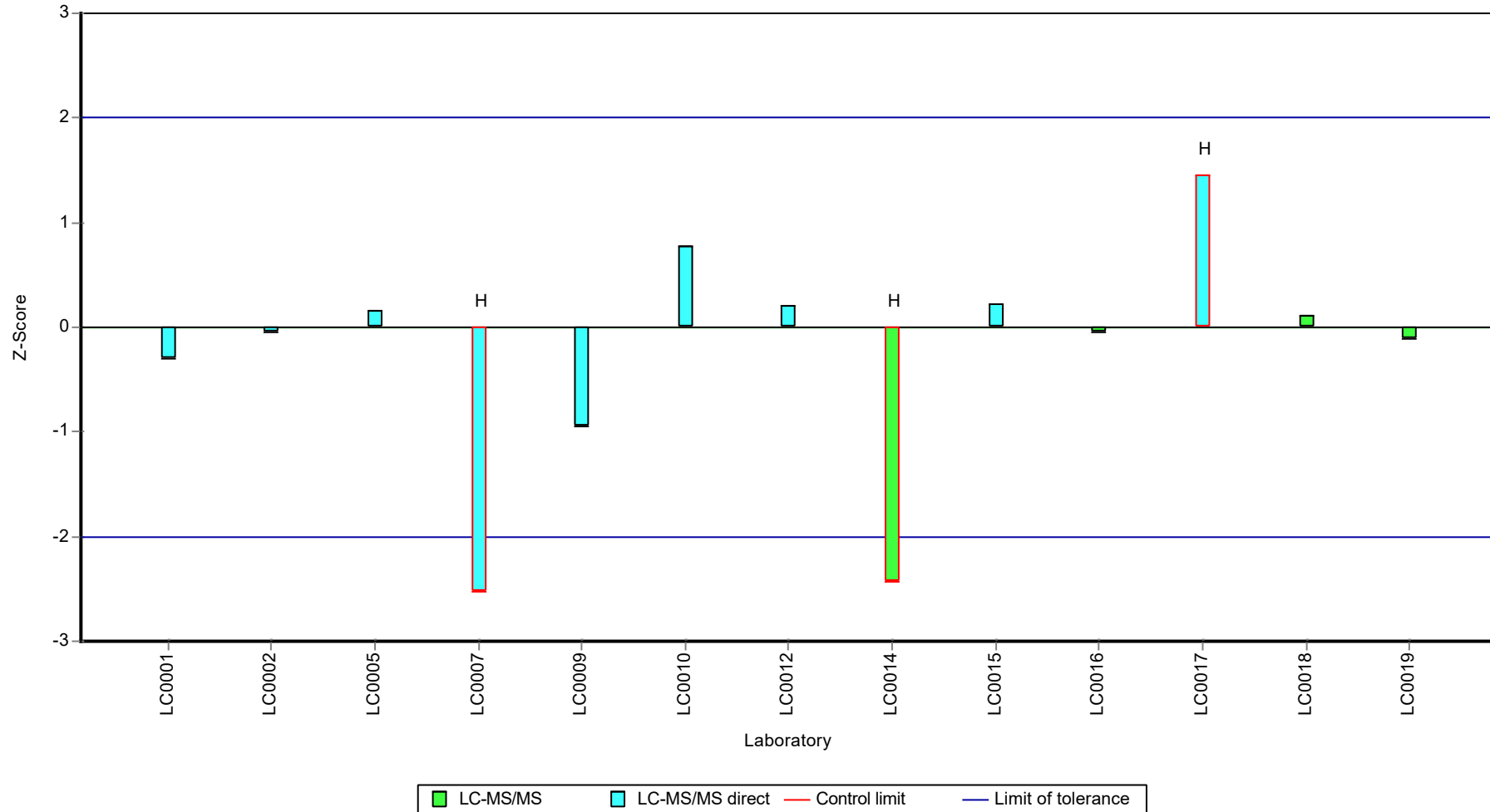
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Iopamidol

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Iopamidol

Parameter oriented report

AZ10 B

Iopamidol

Unit	µg/l
Assigned value ± U (k=2)	40 ± 4.79
Criterion	9.19 (23 %)
Minimum - Maximum	23.8 - 56.1
Control test value ± U (k=2)	49.4 ± 9.88

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	40.88	11.9	102	0.1	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	41.3	10.3	103	0.15	
LC0006	-	-	-	-	
LC0007	23.8	4.76	59.6	-1.76	
LC0008	-	-	-	-	
LC0009	34.83	7.8	87.2	-0.56	
LC0010	46	9.2	115	0.66	
LC0011	-	-	-	-	
LC0012	40.2	12.1	101	0.03	
LC0013	-	-	-	-	
LC0014	29.018	8.7054	72.6	-1.19	
LC0015	41.954	12.6	105	0.22	
LC0016	46.7	12.609	117	0.73	
LC0017	56.1	11.2	140	1.76	
LC0018	40	4	100	0.00	
LC0019	38.8	7.76	97.1	-0.13	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

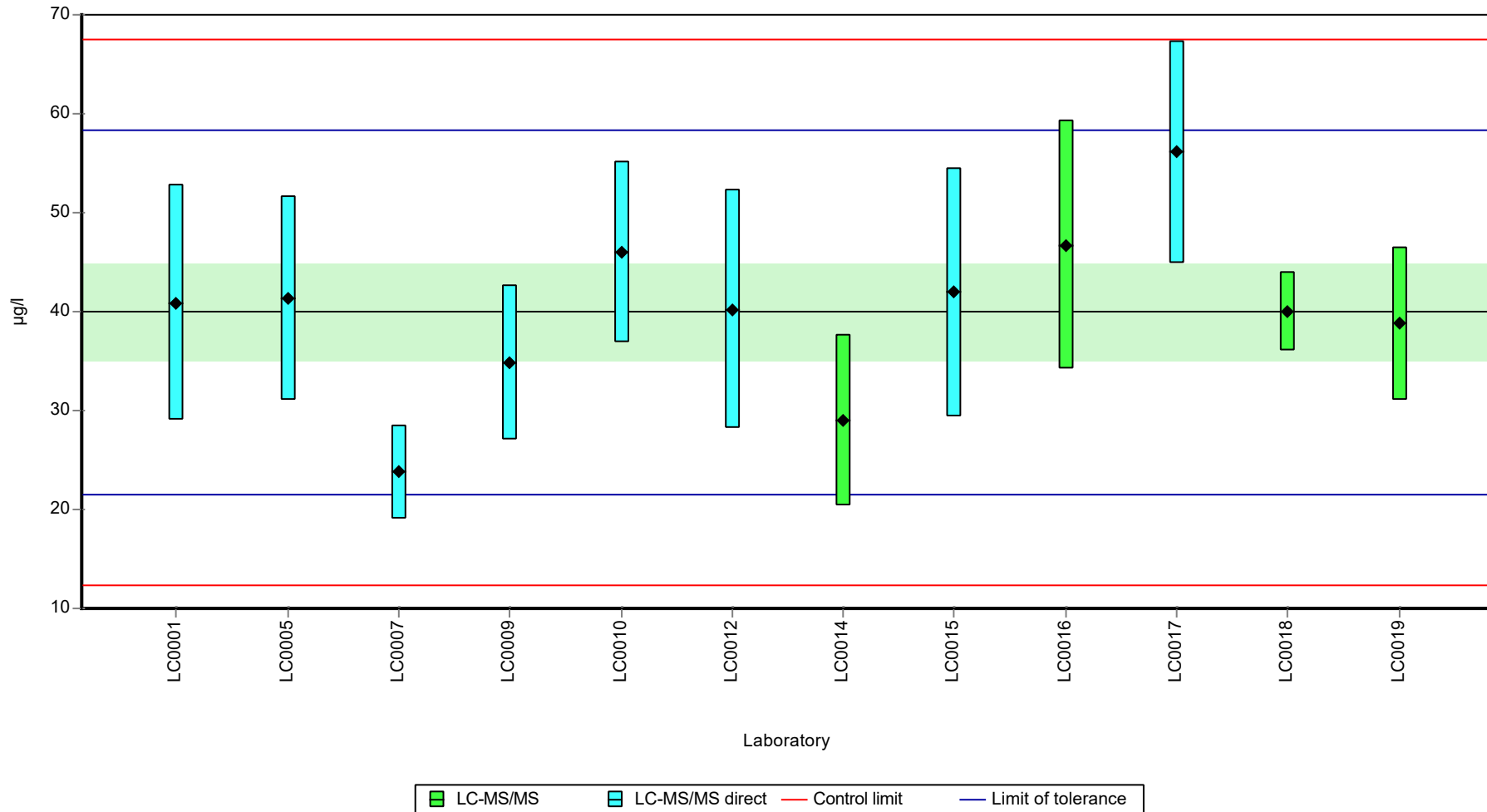
	all results	without outliers	Unit
Mean ± CI (99%)	40 ± 7.19	40 ± 7.19	µg/l
Minimum	23.8	23.8	µg/l
Maximum	56.1	56.1	µg/l
Standard deviation	8.3	8.3	µg/l
rel. standard deviation	20.8	20.8	%
n	12	12	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Iopamidol

Graphical presentation of results

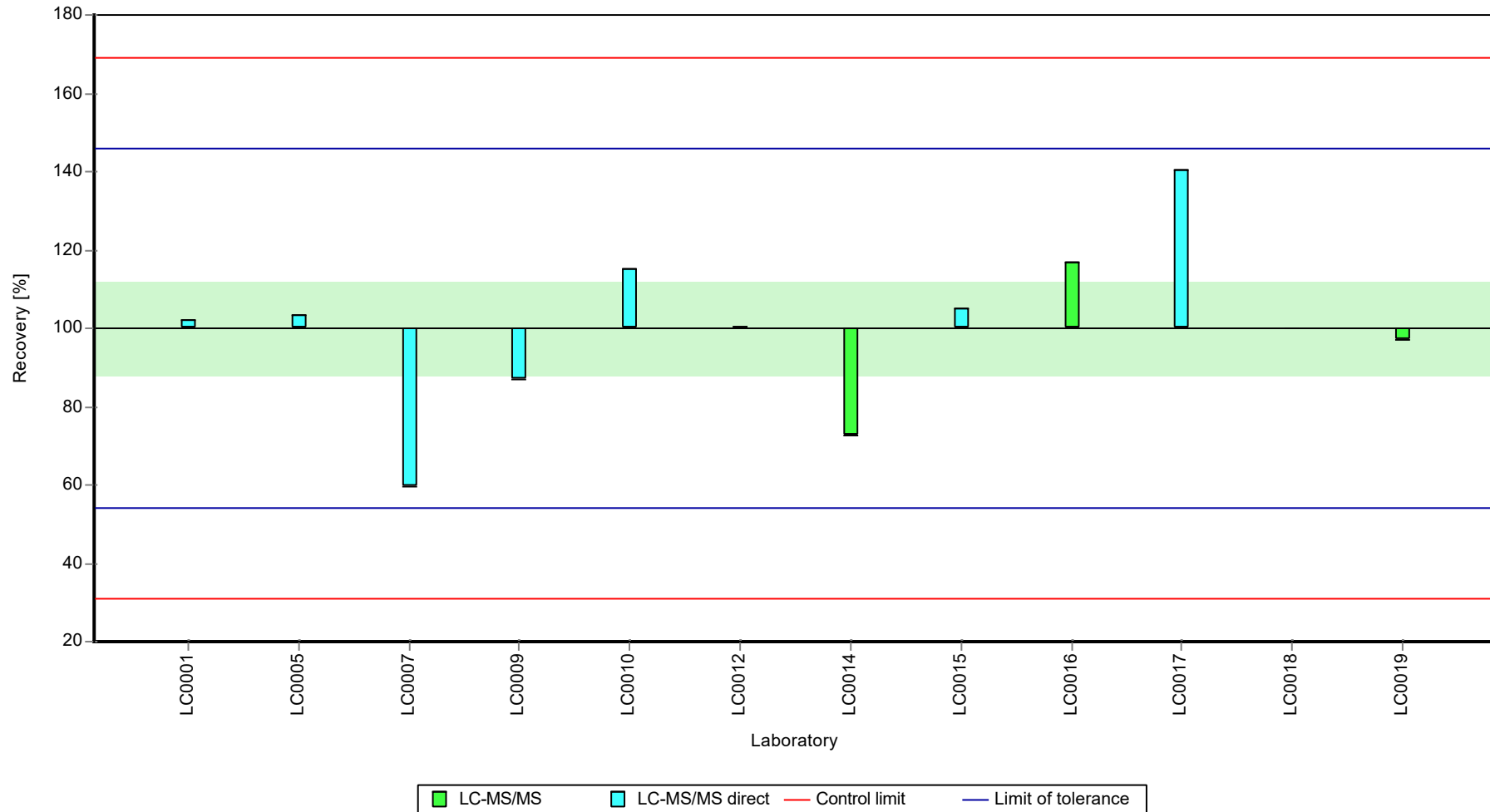
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Iopamidol

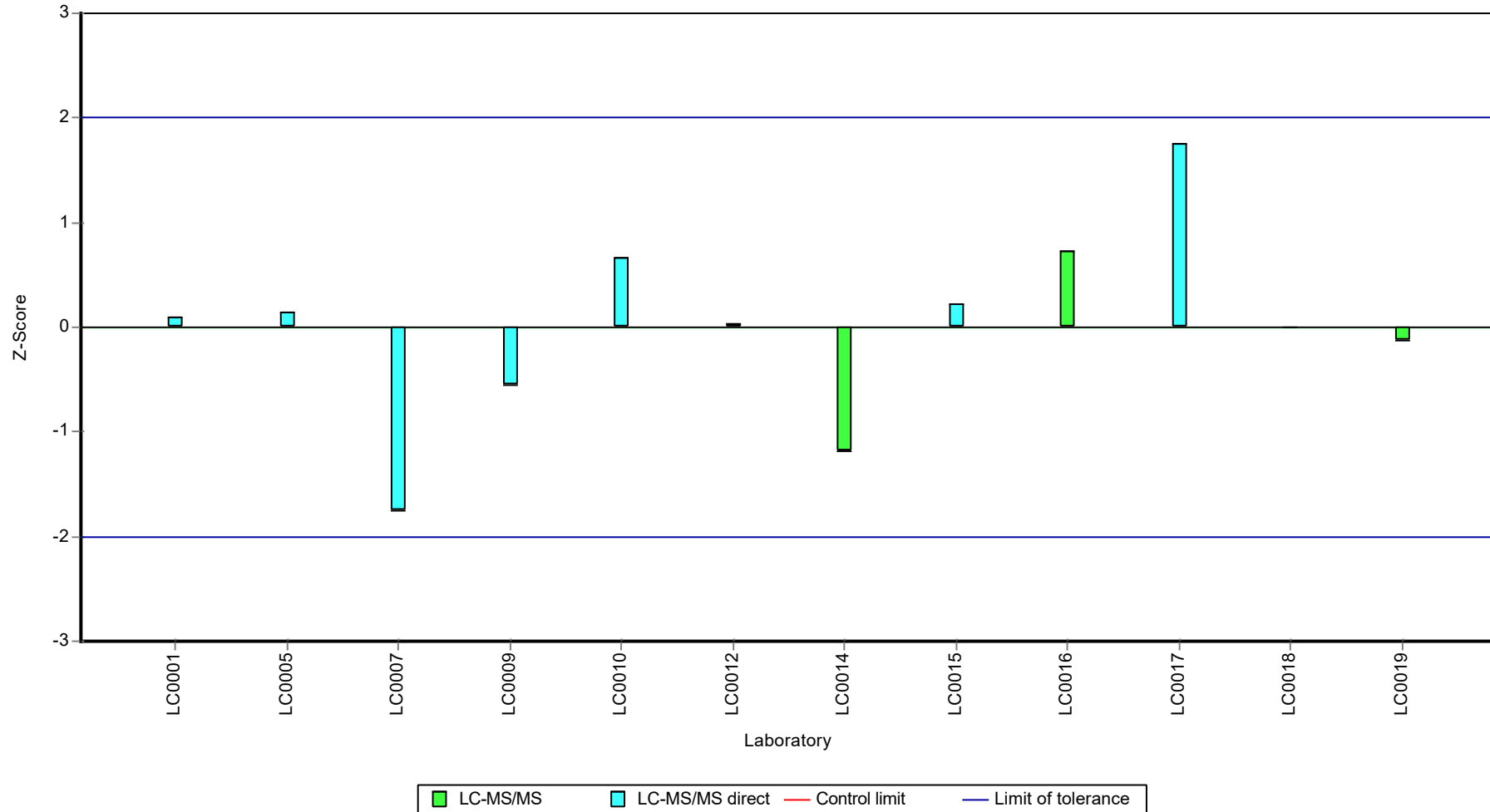
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Iopamidol

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Metoprolol

Parameter oriented report

AZ10 A

Metoprolol

Unit	µg/l
Assigned value ± U (k=2)	0.365 ± 0.0196
Criterion	0.0729 (20 %)
Minimum - Maximum	0.315 - 0.427
Control test value ± U (k=2)	0.451 ± 0.0901

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.408	0.069	112	0.6	
LC0002	0.375	0.067	103	0.14	
LC0003	-	-	-	-	
LC0004	1.09	0.14	299	9.95	H
LC0005	0.317	0.079	86.9	-0.65	
LC0006	0.3487	0.0872	95.6	-0.22	
LC0007	0.415	0.037	114	0.69	
LC0008	0.427	0.085	117	0.86	
LC0009	-	-	-	-	
LC0010	0.32	0.064	87.8	-0.61	
LC0011	-	-	-	-	
LC0012	0.409	0.123	112	0.61	
LC0013	0.34	0.1	93.3	-0.34	
LC0014	-	-	-	-	
LC0015	0.339	0.038	93	-0.35	
LC0016	0.3151	0.0756	86.4	-0.68	
LC0017	0.39	0.079	107	0.35	
LC0018	0.34	0.034	93.3	-0.34	
LC0019	0.376	0.075	103	0.16	
LC0020	0.349	0.038	95.7	-0.21	
LC0021	-	-	-	-	

Characteristics of parameter

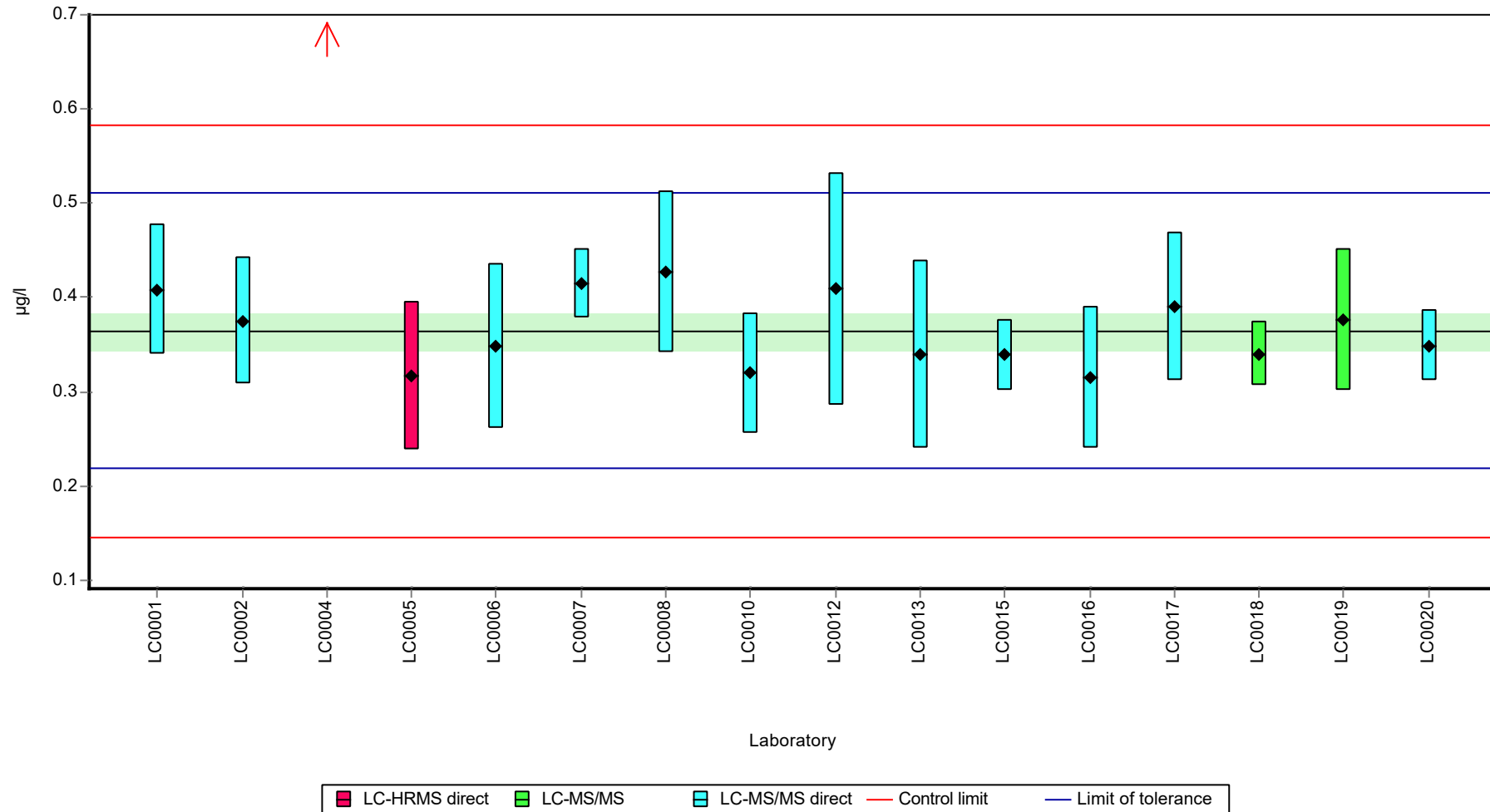
	all results	without outliers	Unit
Mean ± CI (99%)	0.41 ± 0.139	0.365 ± 0.0295	µg/l
Minimum	0.315	0.315	µg/l
Maximum	1.09	0.427	µg/l
Standard deviation	0.185	0.038	µg/l
rel. standard deviation	45.1	10.4	%
n	16	15	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Metoprolol

Graphical presentation of results

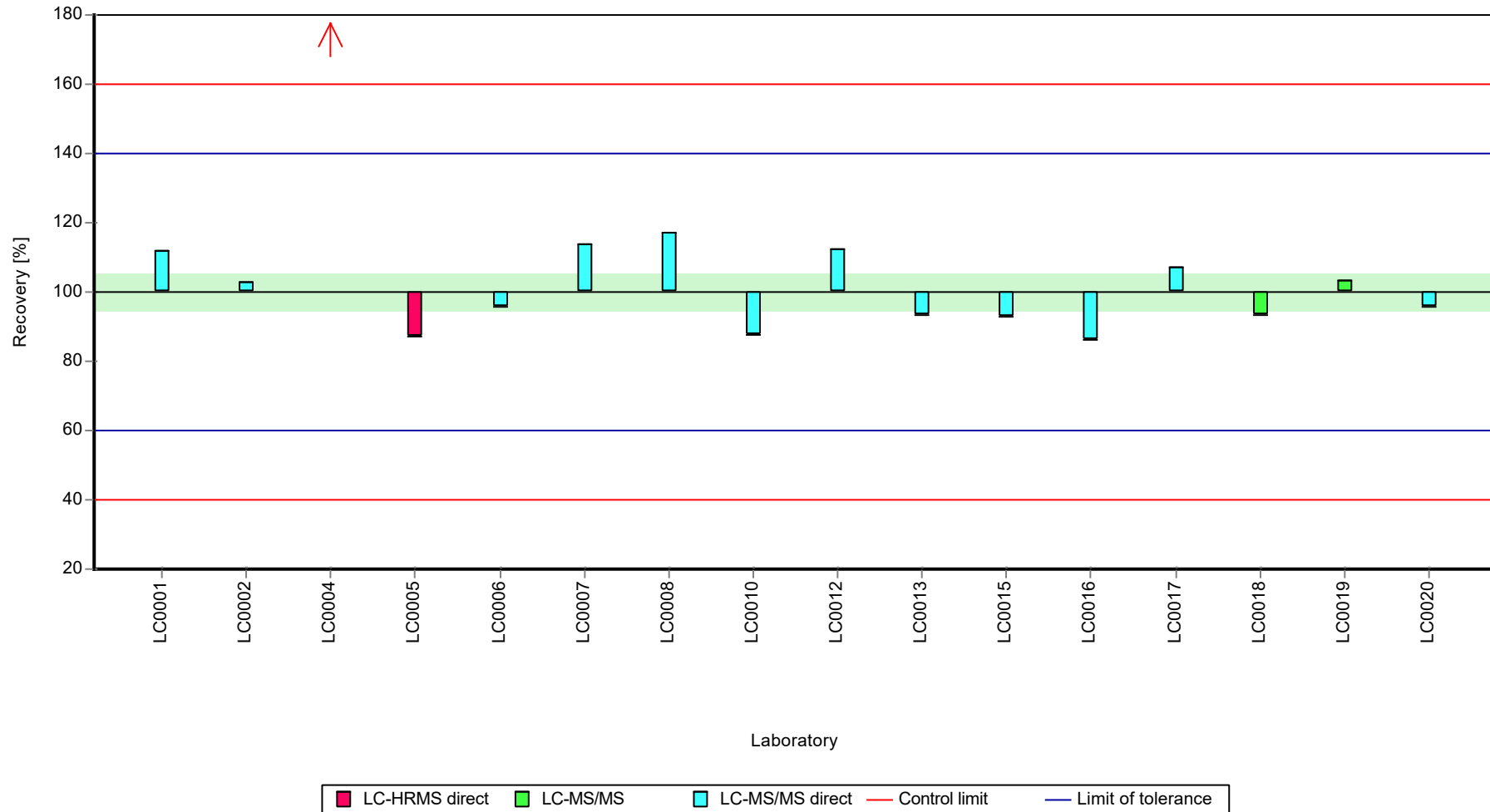
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Metoprolol

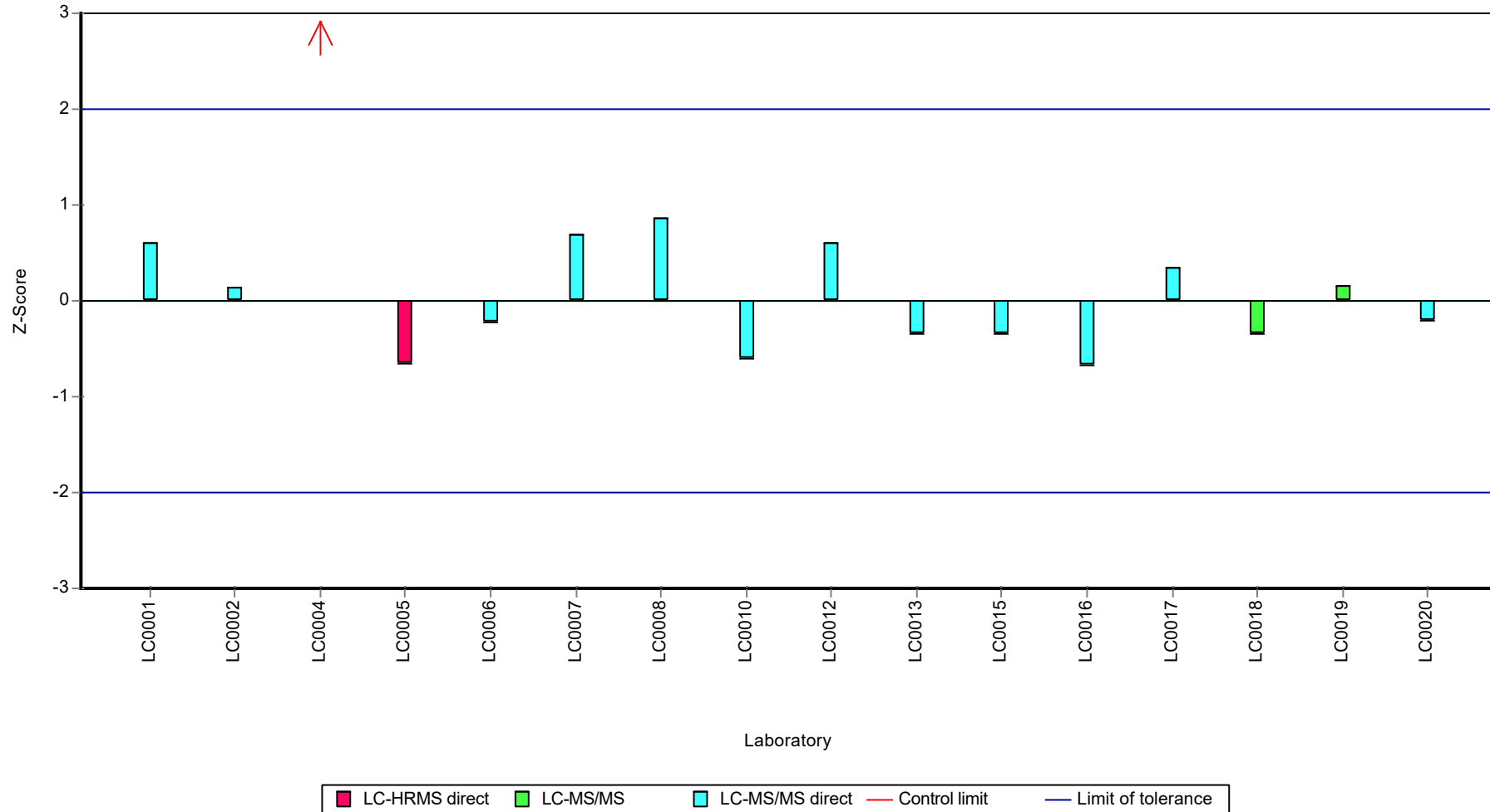
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Metoprolol

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Metoprolol

Parameter oriented report

AZ10 B

Metoprolol

Unit	µg/l
Assigned value ± U (k=2)	0.937 ± 0.106
Criterion	0.206 (22 %)
Minimum - Maximum	0.383 - 1.18
Control test value ± U (k=2)	1.28 ± 0.255

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.16	0.196	124	1.08	
LC0002	1.014	0.182	108	0.38	
LC0003	-	-	-	-	
LC0004	0.383	0.038	40.9	-2.69	
LC0005	0.833	0.208	88.9	-0.5	
LC0006	0.7445	0.186	79.5	-0.93	
LC0007	1.16	0.092	124	1.08	
LC0008	1.086	0.217	116	0.73	
LC0009	-	-	-	-	
LC0010	0.73	0.146	77.9	-1	
LC0011	-	-	-	-	
LC0012	1.18	0.353	126	1.18	
LC0013	0.915	0.27	97.7	-0.1	
LC0014	-	-	-	-	
LC0015	0.906	0.102	96.7	-0.15	
LC0016	0.9535	0.2288	102	0.08	
LC0017	1.07	0.213	114	0.65	
LC0018	0.8	0.08	85.4	-0.66	
LC0019	0.996	0.199	106	0.29	
LC0020	0.847	0.23	90.4	-0.43	
LC0021	-	-	-	-	

Characteristics of parameter

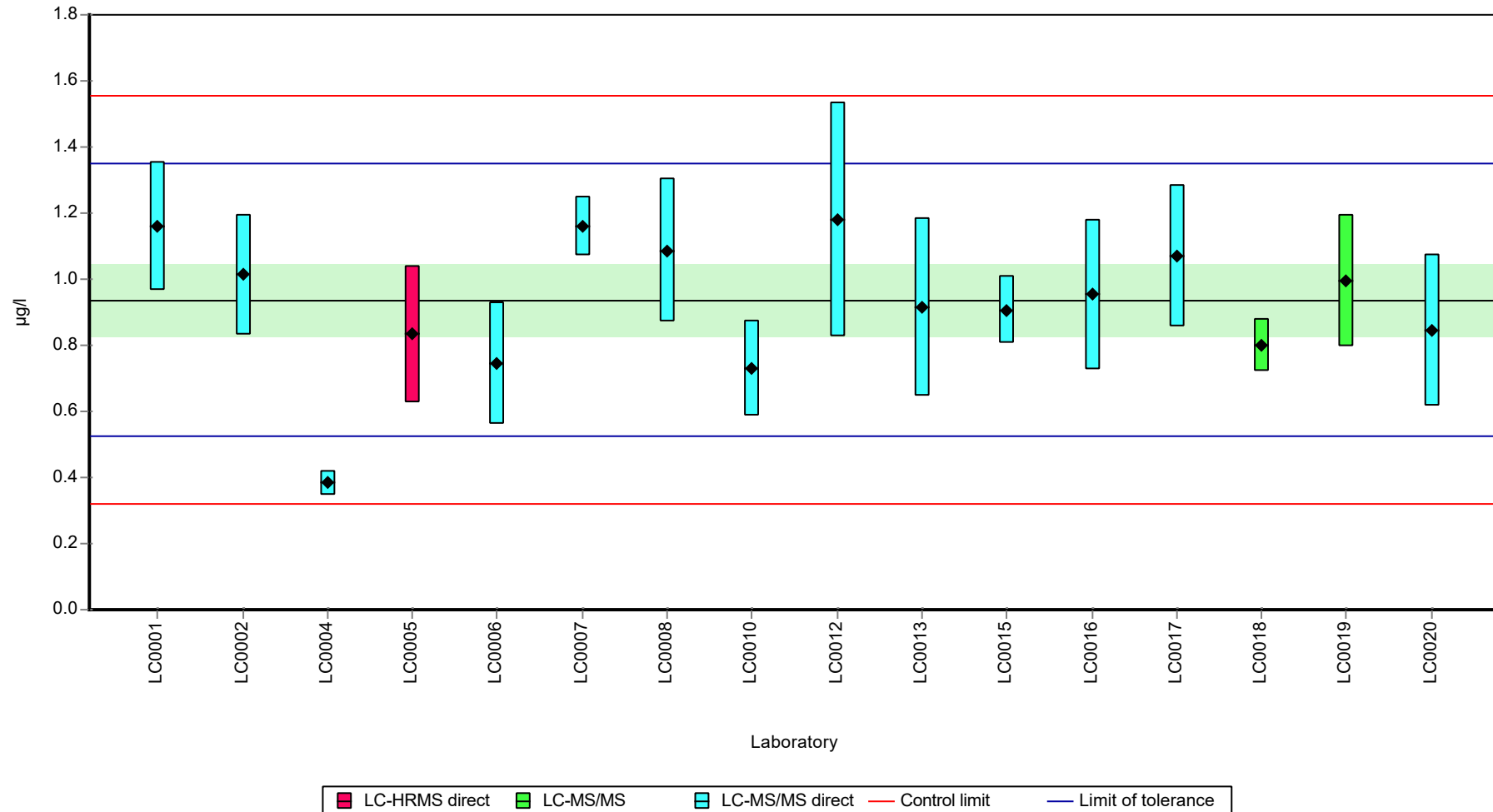
	all results	without outliers	Unit
Mean ± CI (99%)	0.924 ± 0.154	0.924 ± 0.154	µg/l
Minimum	0.383	0.383	µg/l
Maximum	1.18	1.18	µg/l
Standard deviation	0.205	0.205	µg/l
rel. standard deviation	22.2	22.2	%
n	16	16	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Metoprolol

Graphical presentation of results

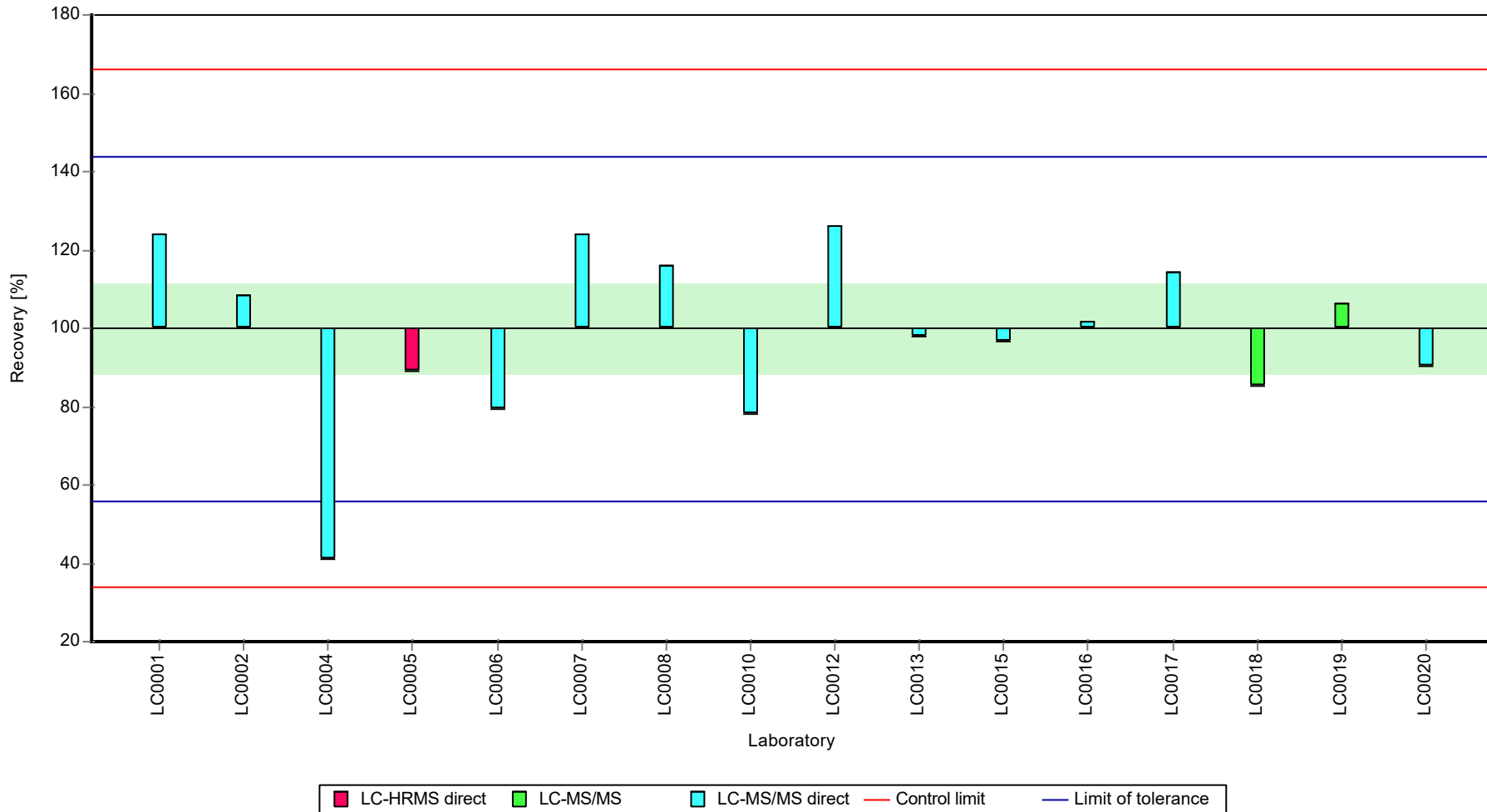
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Metoprolol

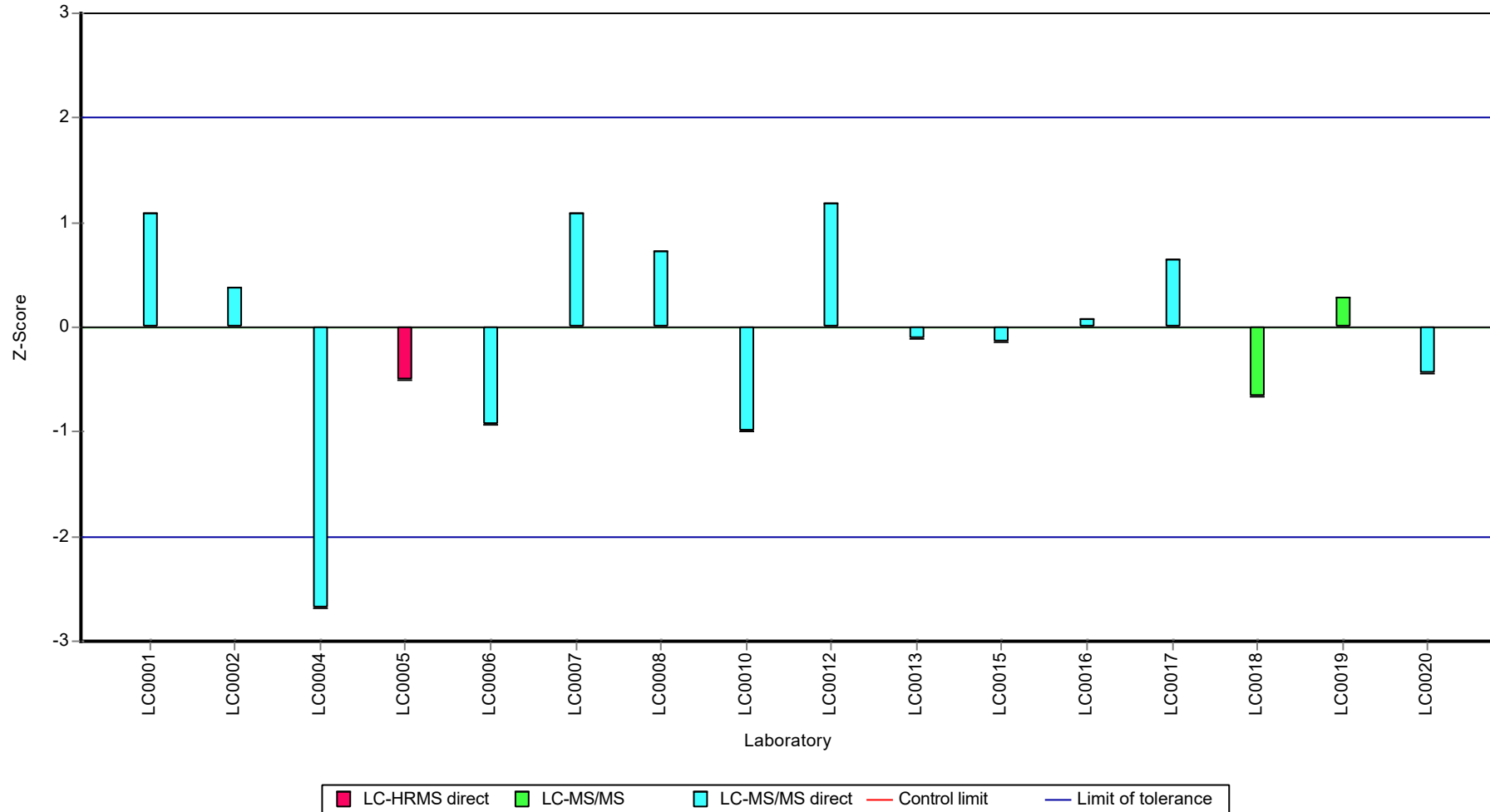
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Metoprolol

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Saccharin

Parameter oriented report

AZ10 A

Saccharin

Unit	µg/l
Assigned value ± U (k=2)	-
Criterion	-
Minimum - Maximum	0.893 - 1.04
Control test value ± U (k=2)	1.34 ± 0.268

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	1.198	0.216	-	-	H
LC0003	1.05	0.46	-	-	
LC0004	0.994	0.08	-	-	
LC0005	1.04	0.26	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.9793	0.2527	-	-	
LC0015	1.043	0.222	-	-	
LC0016	0.893	0.205	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	1.02	0.305	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

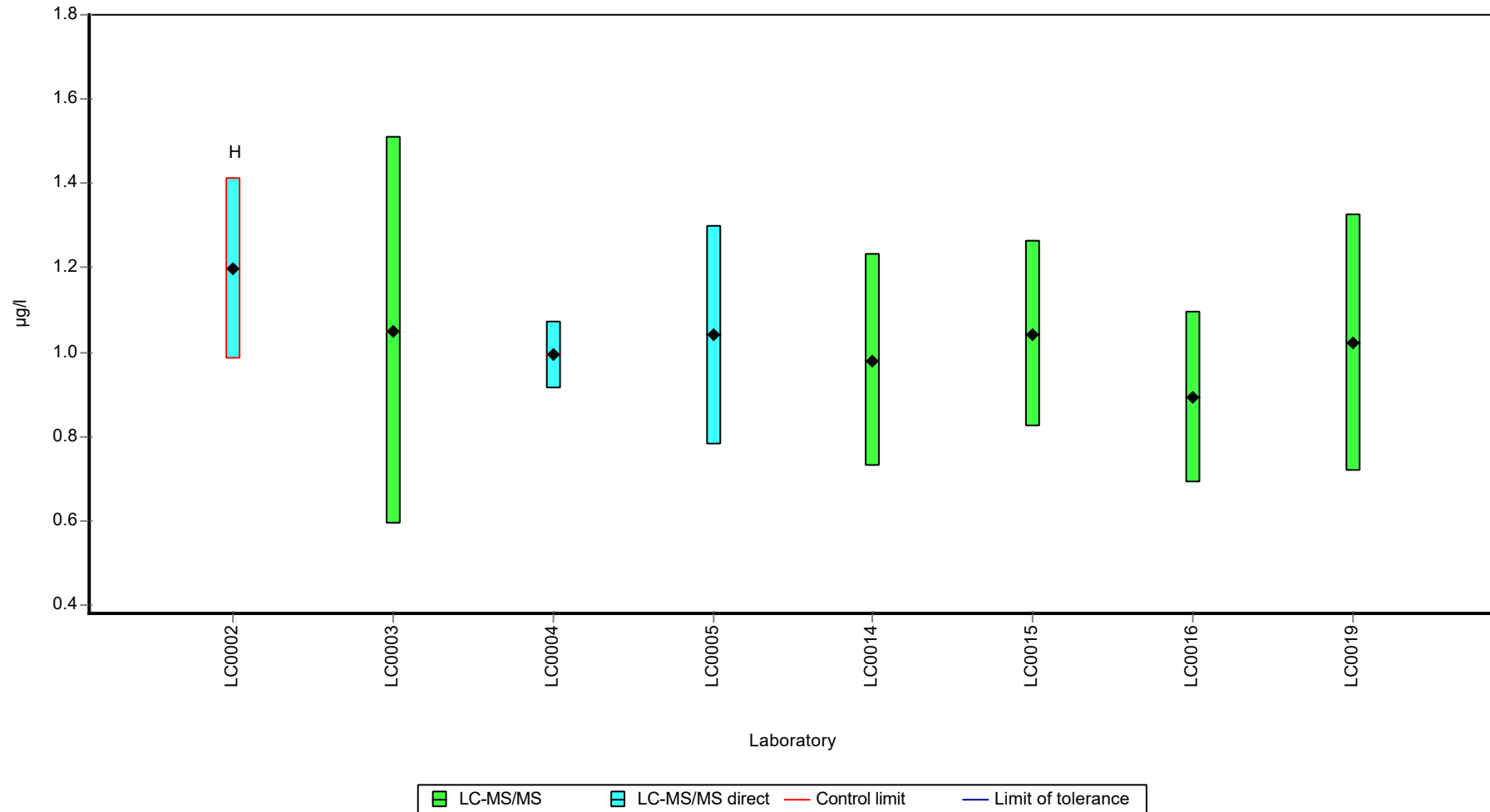
	all results	without outliers	Unit
Mean ± CI (99%)	1.03 ± 0.091	-	µg/l
Minimum	0.893	0.893	µg/l
Maximum	1.2	1.05	µg/l
Standard deviation	0.0858	-	µg/l
rel. standard deviation	8.36	-	%
n	8	7	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Saccharin

Graphical presentation of results

Results



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Saccharin

Parameter oriented report

AZ10 B

Saccharin

Unit	µg/l
Assigned value ± U (k=2)	1.02 ± 0.091
Criterion	0.224 (22 %)
Minimum - Maximum	0.885 - 1.25
Control test value ± U (k=2)	1.03 ± 0.206

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	1.251	0.225	123	1.03	
LC0003	1.16	0.51	114	0.63	
LC0004	0.927	0.088	90.9	-0.41	
LC0005	1.01	0.253	99.1	-0.04	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.9162	0.2364	89.9	-0.46	
LC0015	1.051	0.223	103	0.14	
LC0016	0.954	0.219	93.6	-0.29	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	0.885	0.266	86.8	-0.6	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

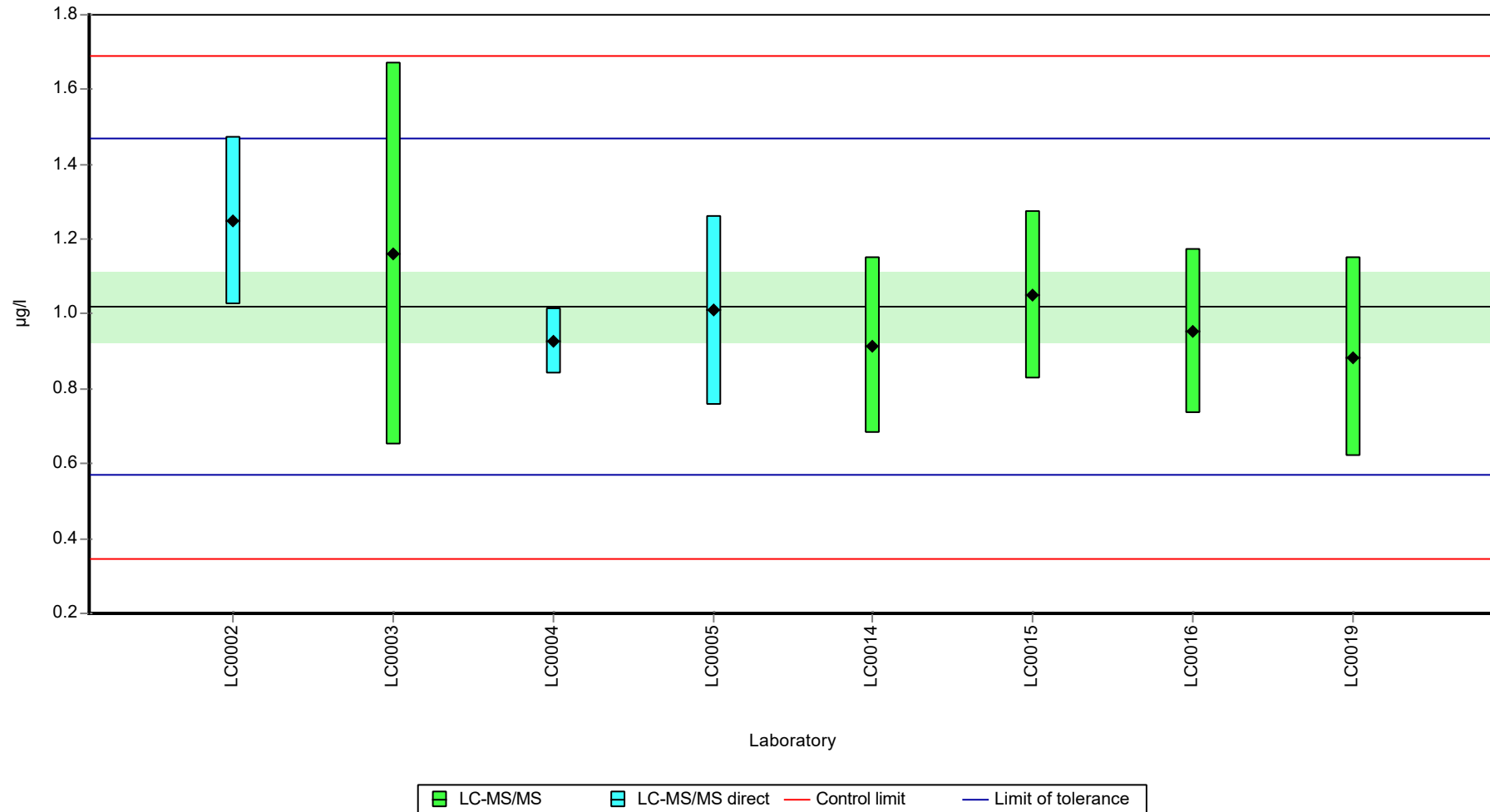
	all results	without outliers	Unit
Mean ± CI (99%)	1.02 ± 0.137	1.02 ± 0.137	µg/l
Minimum	0.885	0.885	µg/l
Maximum	1.25	1.25	µg/l
Standard deviation	0.129	0.129	µg/l
rel. standard deviation	12.6	12.6	%
n	8	8	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Saccharin

Graphical presentation of results

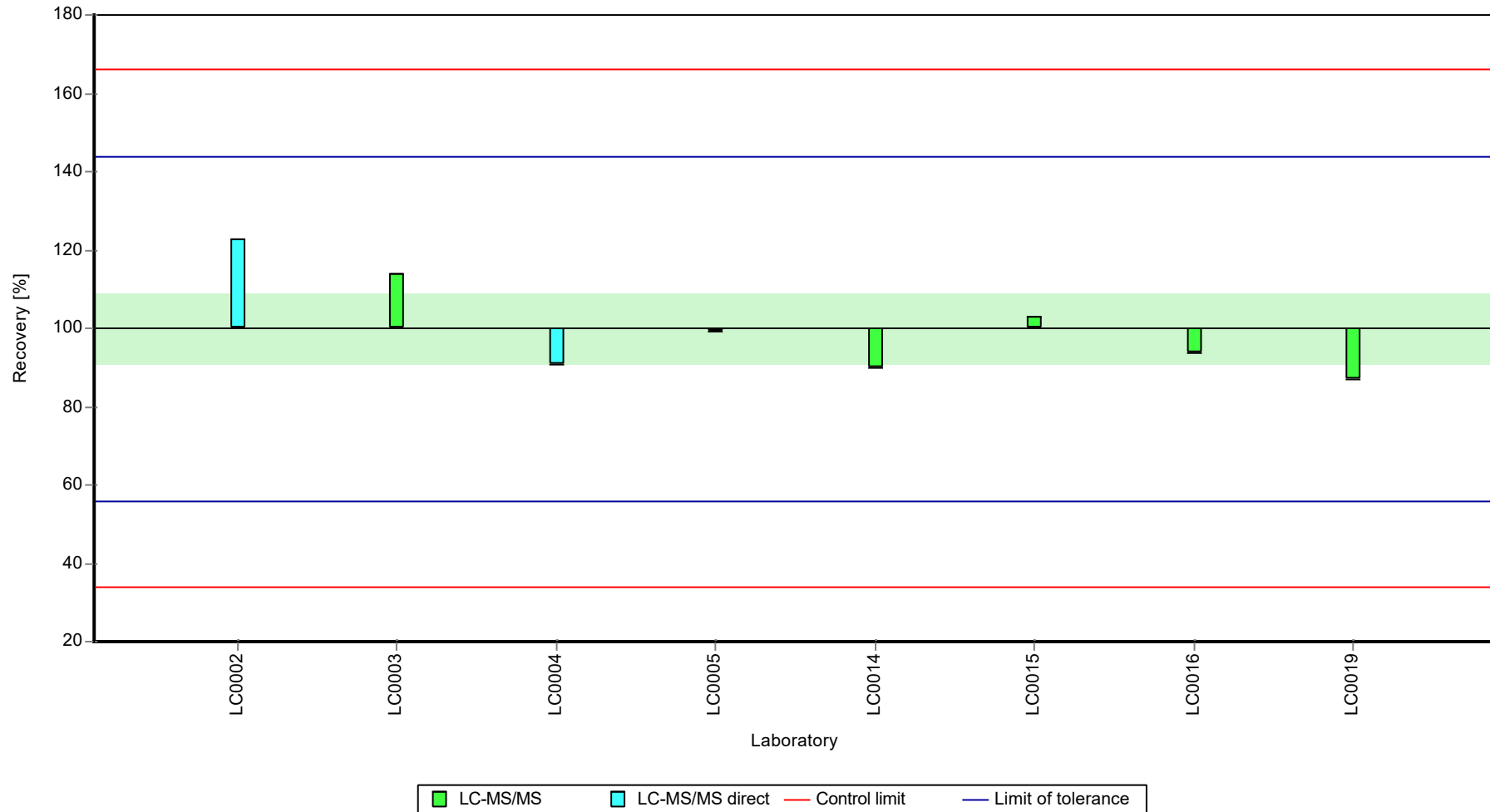
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Saccharin

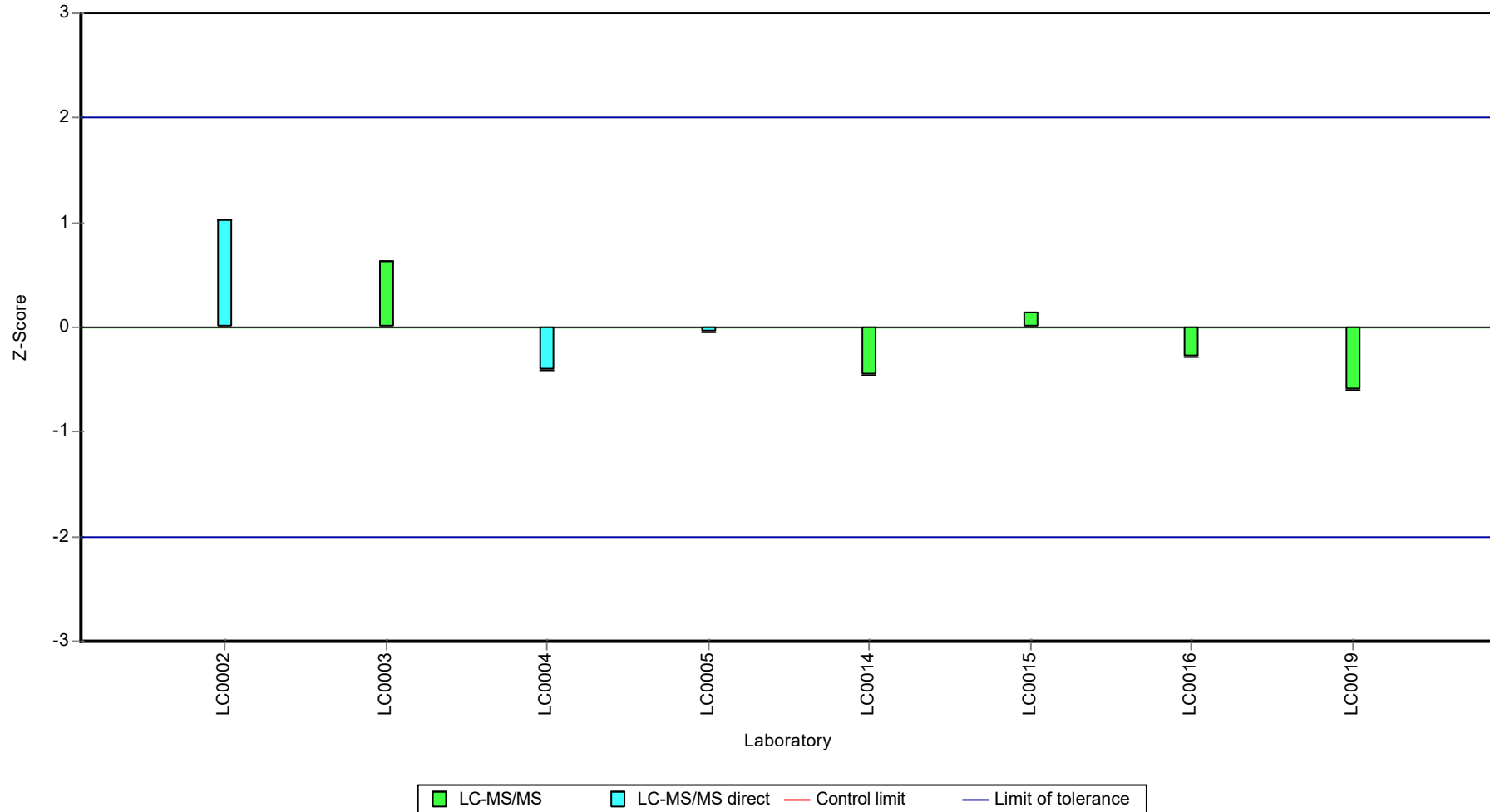
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Saccharin

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Sotalol

Parameter oriented report

AZ10 A

Sotalol

Unit	µg/l
Assigned value ± U (k=2)	0.426 ± 0.0203
Criterion	0.0937 (22 %)
Minimum - Maximum	0.37 - 0.5
Control test value ± U (k=2)	0.461 ± 0.115

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.454	0.028	107	0.3	
LC0002	0.422	0.076	99.1	-0.04	
LC0003	-	-	-	-	
LC0004	2.08	0.26	488	17.66	H
LC0005	0.479	0.12	112	0.57	
LC0006	0.4115	0.1029	96.6	-0.15	
LC0007	0.384	0.062	90.2	-0.45	
LC0008	0.453	0.091	106	0.29	
LC0009	-	-	-	-	
LC0010	0.37	0.055	86.9	-0.6	
LC0011	-	-	-	-	
LC0012	0.409	0.123	96	-0.18	
LC0013	0.4	0.12	93.9	-0.28	
LC0014	-	-	-	-	
LC0015	0.463	0.047	109	0.4	
LC0016	0.395	0.1422	92.8	-0.33	
LC0017	0.409	0.079	96	-0.18	
LC0018	0.5	0.05	117	0.79	
LC0019	0.594	0.119	139	1.8	H
LC0020	0.412	0.044	96.8	-0.15	
LC0021	-	-	-	-	

Characteristics of parameter

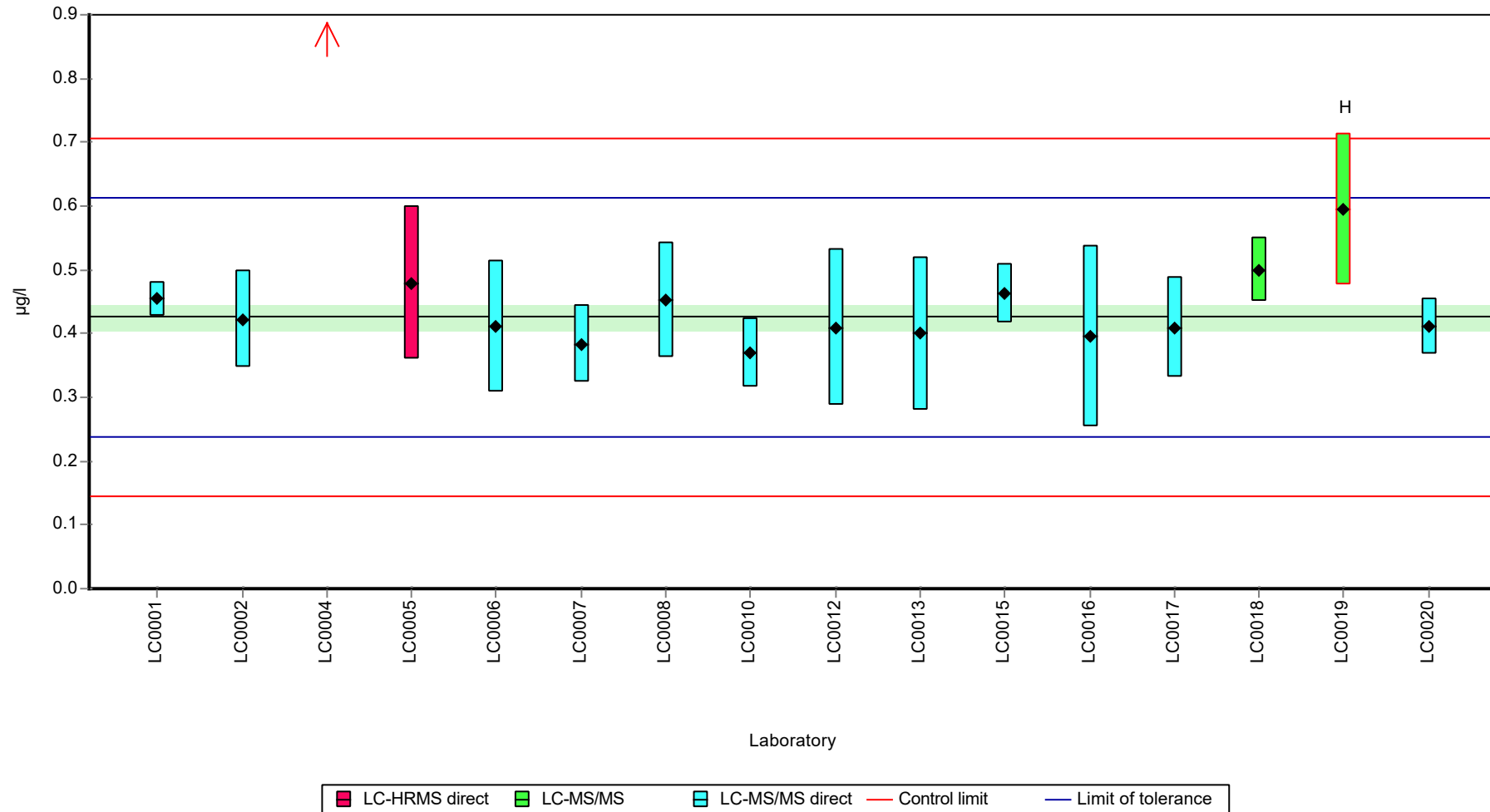
	all results	without outliers	Unit
Mean ± CI (99%)	0.54 ± 0.311	0.426 ± 0.0304	µg/l
Minimum	0.37	0.37	µg/l
Maximum	2.08	0.5	µg/l
Standard deviation	0.414	0.0379	µg/l
rel. standard deviation	76.8	8.91	%
n	16	14	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Sotalol

Graphical presentation of results

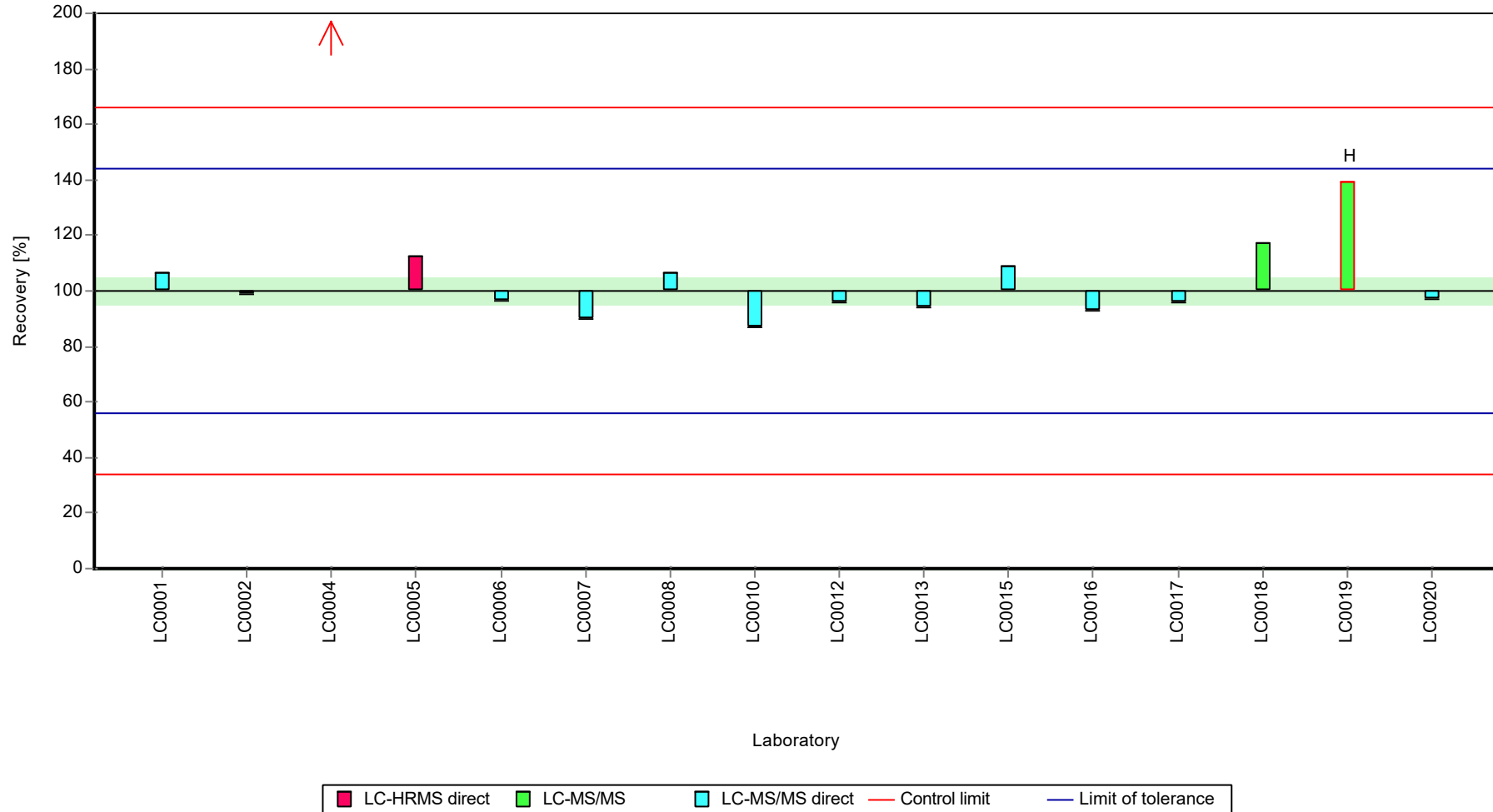
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Sotalol

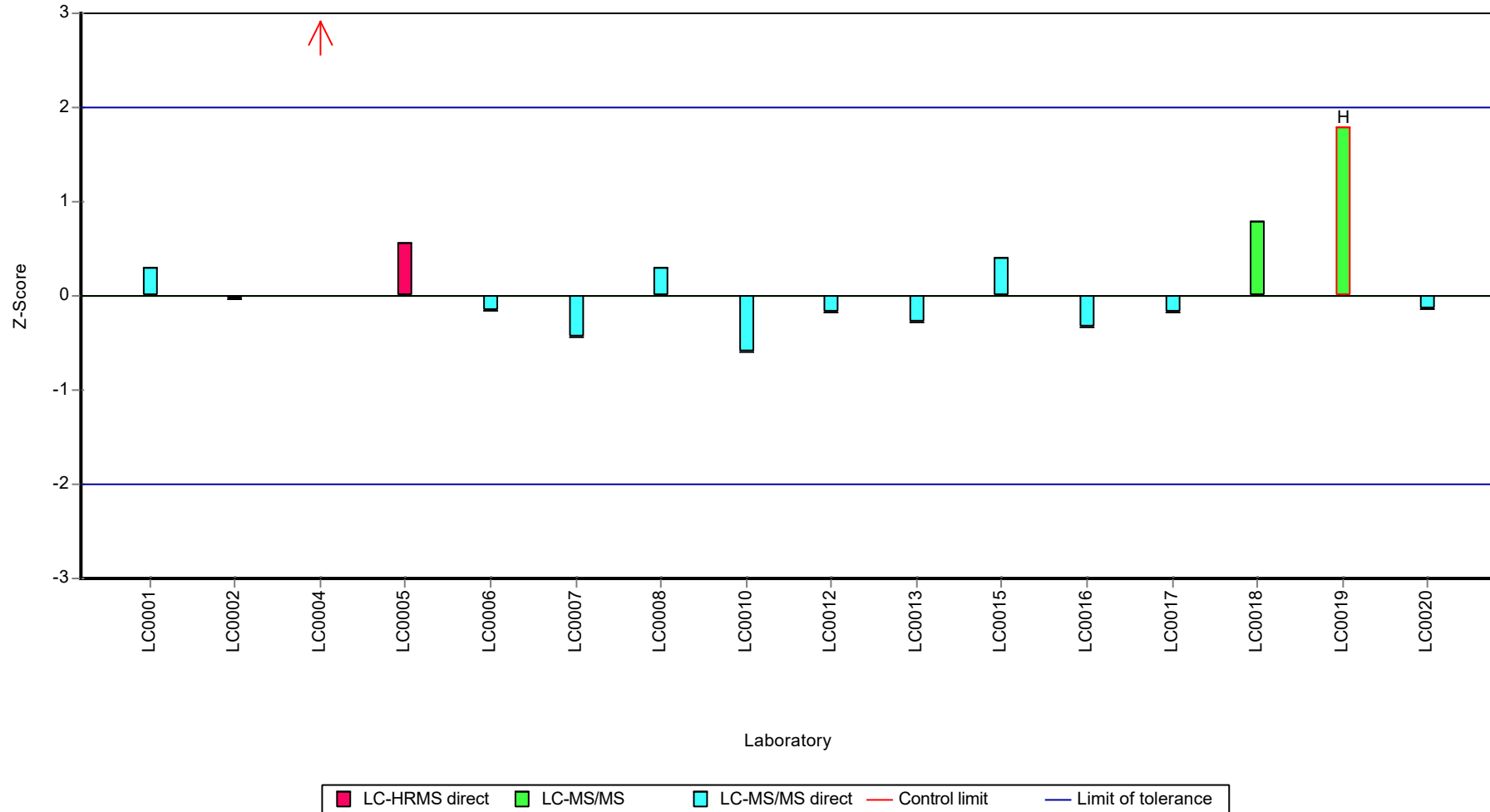
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Sotalol

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Sotalol

Parameter oriented report

AZ10 B

Sotalol

Unit	µg/l
Assigned value ± U (k=2)	1.9 ± 0.148
Criterion	0.417 (22 %)
Minimum - Maximum	1.41 - 2.41
Control test value ± U (k=2)	2.21 ± 0.552

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.959	0.121	103	0.15	
LC0002	1.89	0.34	99.6	-0.02	
LC0003	-	-	-	-	
LC0004	0.377	0.041	19.9	-3.64	H
LC0005	2.21	0.553	116	0.75	
LC0006	1.412	0.353	74.4	-1.16	
LC0007	2.41	0.386	127	1.23	
LC0008	1.829	0.366	96.4	-0.16	
LC0009	-	-	-	-	
LC0010	1.7	0.255	89.6	-0.47	
LC0011	-	-	-	-	
LC0012	2.11	0.634	111	0.51	
LC0013	1.75	0.53	92.2	-0.35	
LC0014	-	-	-	-	
LC0015	2.084	0.21	110	0.45	
LC0016	-	-	-	-	
LC0017	2.16	0.431	114	0.63	
LC0018	1.8	0.18	94.9	-0.23	
LC0019	1.51	0.302	79.6	-0.93	
LC0020	1.74	0.47	91.7	-0.38	
LC0021	-	-	-	-	

Characteristics of parameter

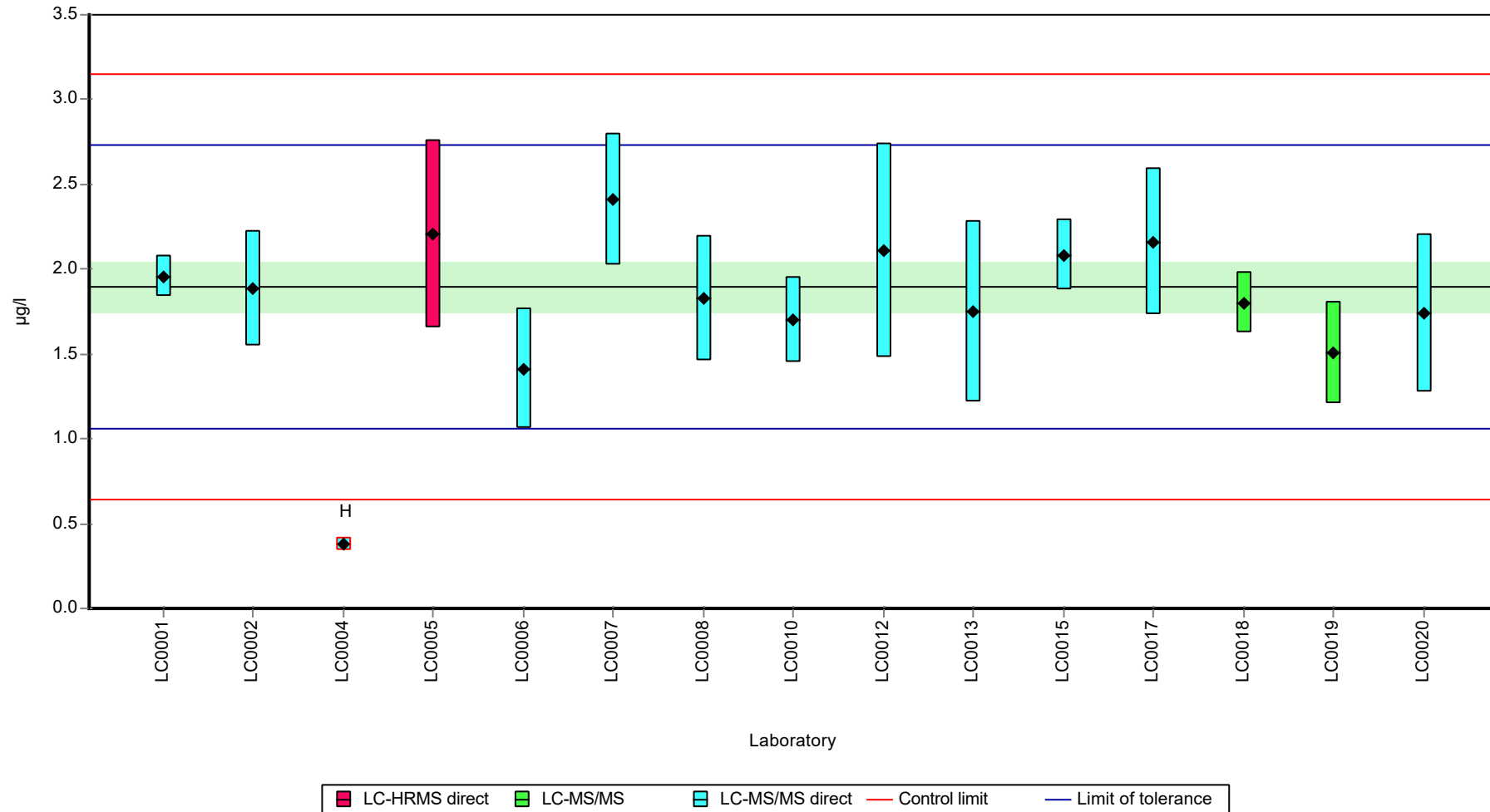
	all results	without outliers	Unit
Mean ± CI (99%)	1.8 ± 0.368	1.9 ± 0.222	µg/l
Minimum	0.377	1.41	µg/l
Maximum	2.41	2.41	µg/l
Standard deviation	0.475	0.277	µg/l
rel. standard deviation	26.4	14.6	%
n	15	14	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Sotalol

Graphical presentation of results

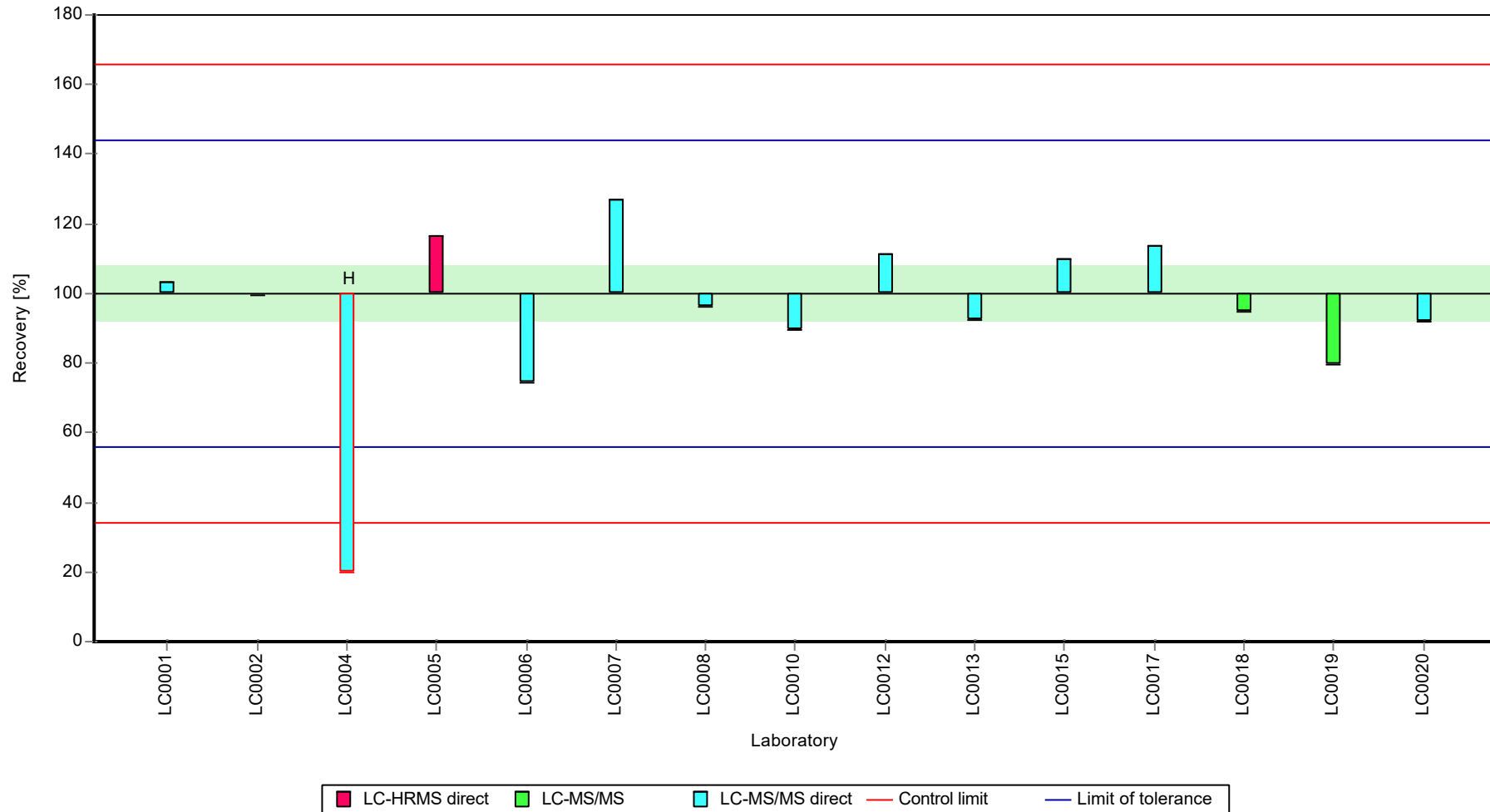
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Sotalol

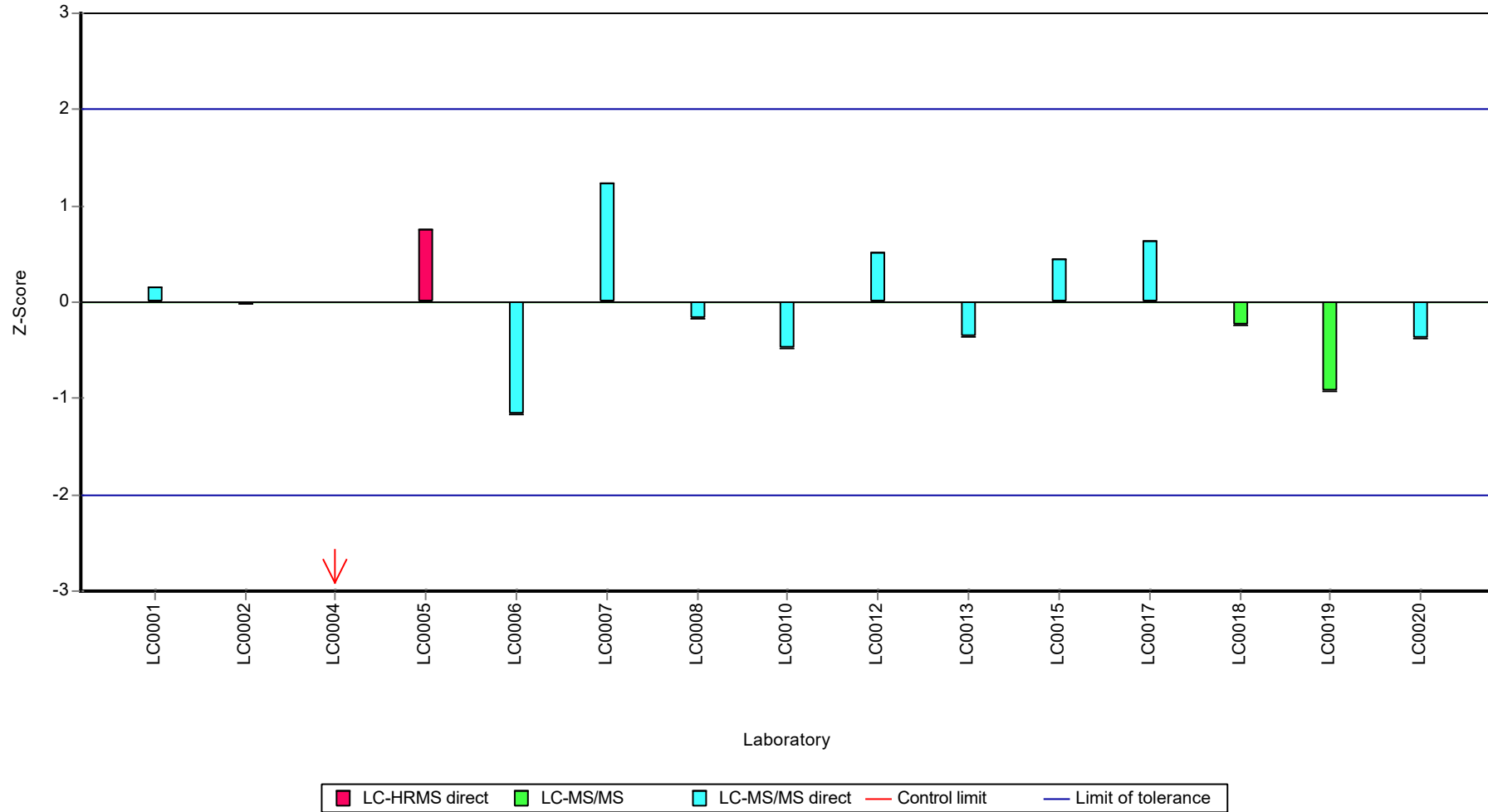
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Sotalol

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Sucralose

Parameter oriented report

AZ10 A

Sucralose

Unit	µg/l
Assigned value ± U (k=2)	2.93 ± 0.216
Criterion	0.878 (30 %)
Minimum - Maximum	2.44 - 3.44
Control test value ± U (k=2)	3.17 ± 0.634

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	3.437	0.619	117	0.58	
LC0003	2.72	1.2	93	-0.23	
LC0004	-	-	-	-	
LC0005	2.71	0.678	92.6	-0.25	
LC0006	-	-	-	-	
LC0007	1.53	0.123	52.3	-1.59	H
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	3.06	0.917	105	0.15	
LC0013	-	-	-	-	
LC0014	2.44	0.732	83.4	-0.55	
LC0015	-	-	-	-	
LC0016	2.96	0.681	101	0.04	
LC0017	3.138	0.628	107	0.24	
LC0018	-	-	-	-	
LC0019	2.94	0.881	100	0.02	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

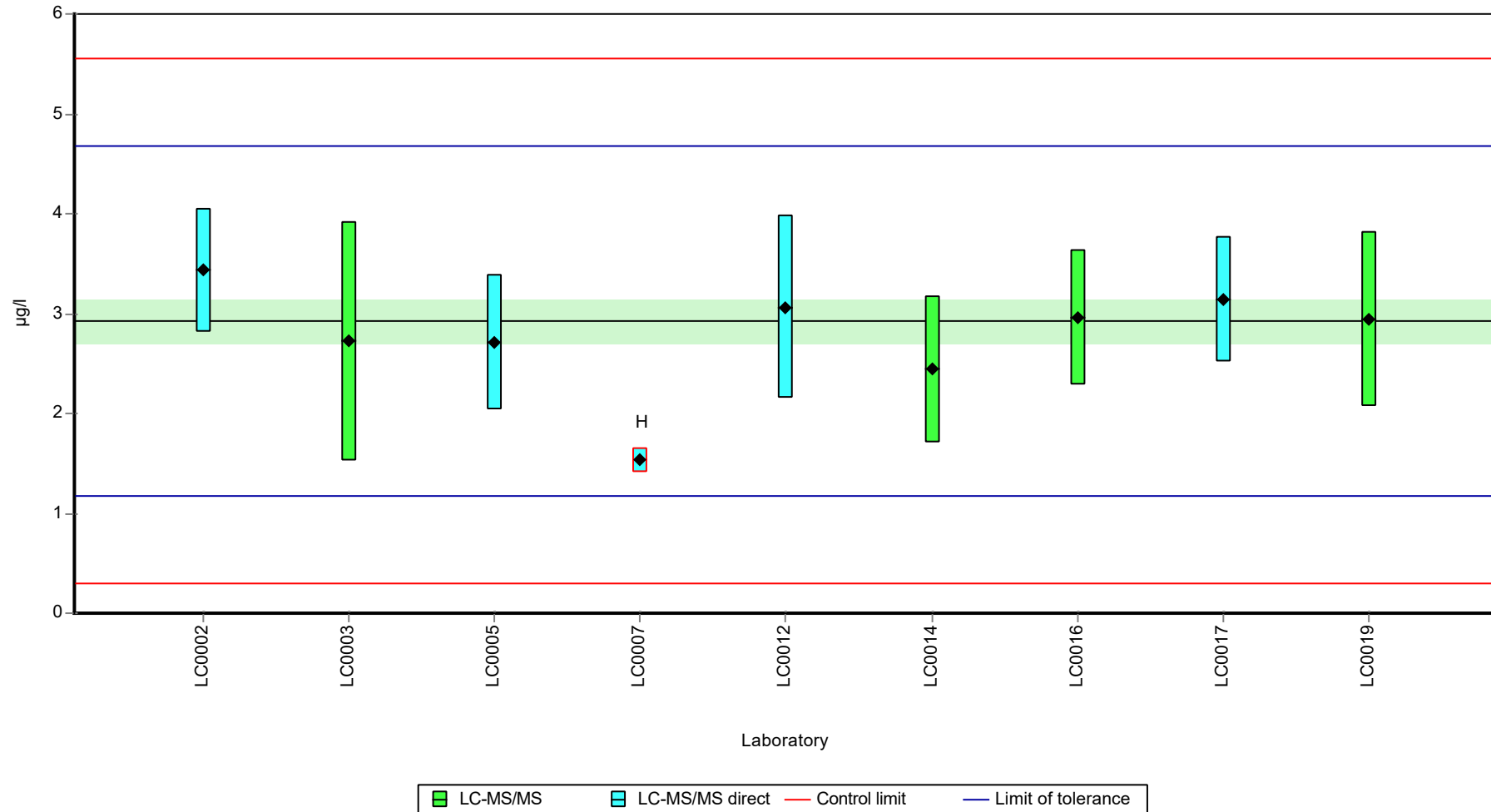
	all results	without outliers	Unit
Mean ± CI (99%)	2.77 ± 0.546	2.93 ± 0.323	µg/l
Minimum	1.53	2.44	µg/l
Maximum	3.44	3.44	µg/l
Standard deviation	0.546	0.305	µg/l
rel. standard deviation	19.7	10.4	%
n	9	8	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Sucralose

Graphical presentation of results

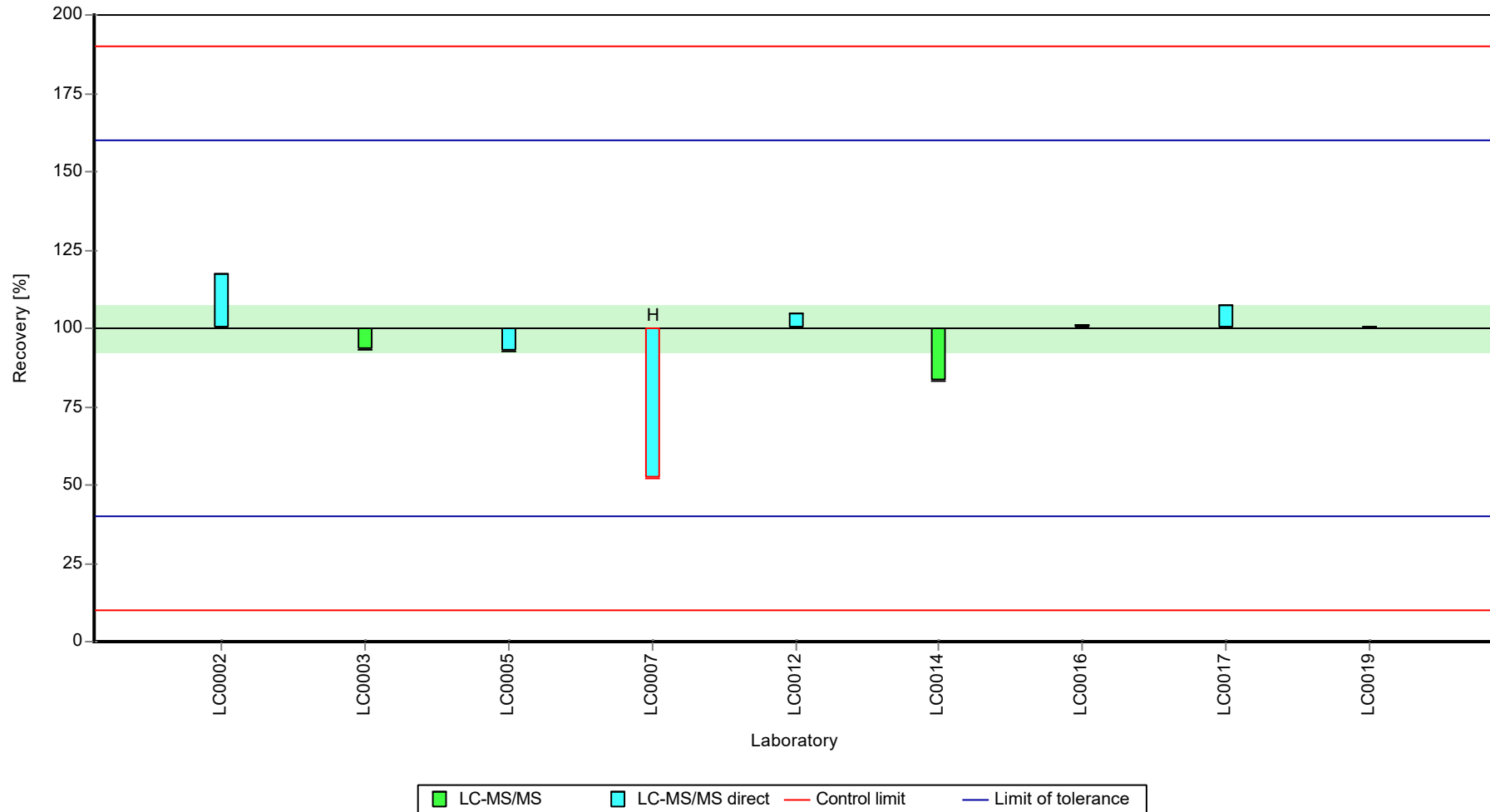
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Sucralose

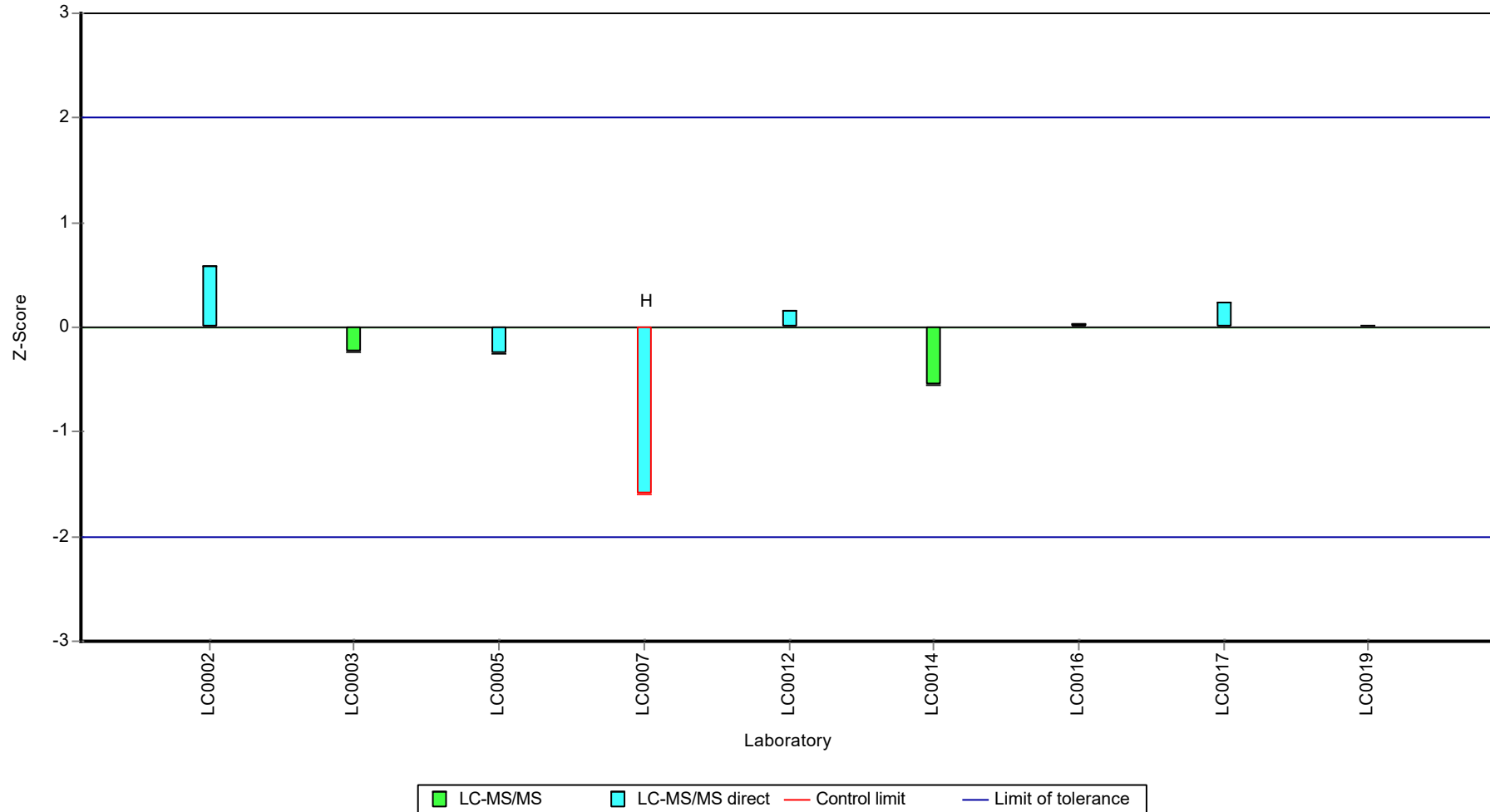
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Sucralose

Z-score



Parameter oriented report Pharmaceuticals, Industrial
Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Sucralose

Parameter oriented report

AZ10 B

Sucralose

Unit	µg/l
Assigned value ± U (k=2)	26 ± 1.99
Criterion	7.81 (30 %)
Minimum - Maximum	21 - 29
Control test value ± U (k=2)	30.1 ± 6.02

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	29.026	5.225	112	0.38	
LC0003	23.55	10.36	90.5	-0.32	
LC0004	-	-	-	-	
LC0005	24.6	6.15	94.5	-0.18	
LC0006	-	-	-	-	
LC0007	11.6	1.16	44.6	-1.85	H
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	28.4	8.51	109	0.3	
LC0013	-	-	-	-	
LC0014	20.9645	6.2894	80.6	-0.65	
LC0015	-	-	-	-	
LC0016	26.45	6.084	102	0.05	
LC0017	28.6	5.72	110	0.33	
LC0018	-	-	-	-	
LC0019	26.6	7.98	102	0.07	
LC0020	-	-	-	-	
LC0021	-	-	-	-	

Characteristics of parameter

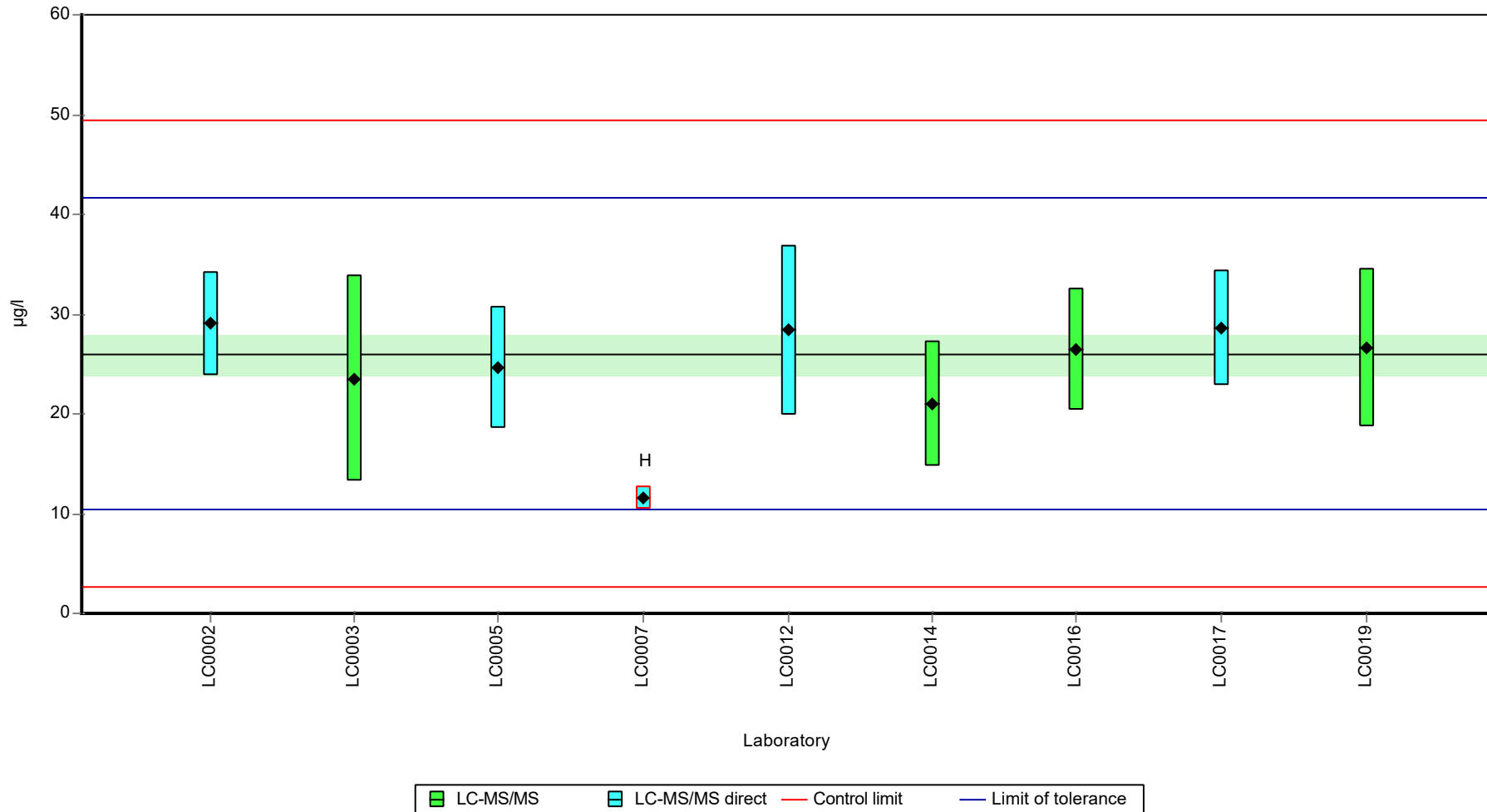
	all results	without outliers	Unit
Mean ± CI (99%)	24.4 ± 5.48	26 ± 2.99	µg/l
Minimum	11.6	21	µg/l
Maximum	29	29	µg/l
Standard deviation	5.48	2.82	µg/l
rel. standard deviation	22.5	10.8 %	
n	9	8	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Sucralose

Graphical presentation of results

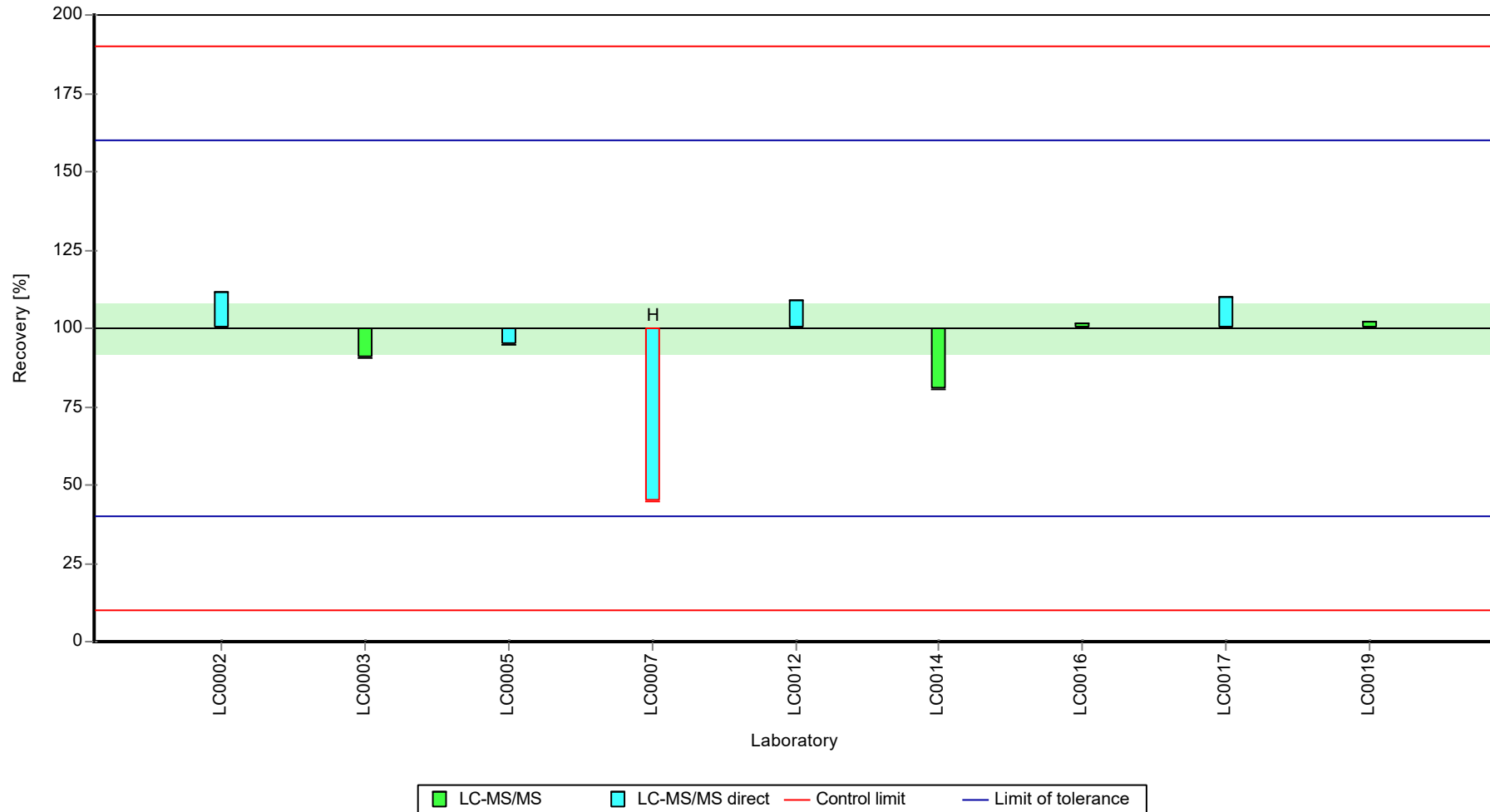
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Sucralose

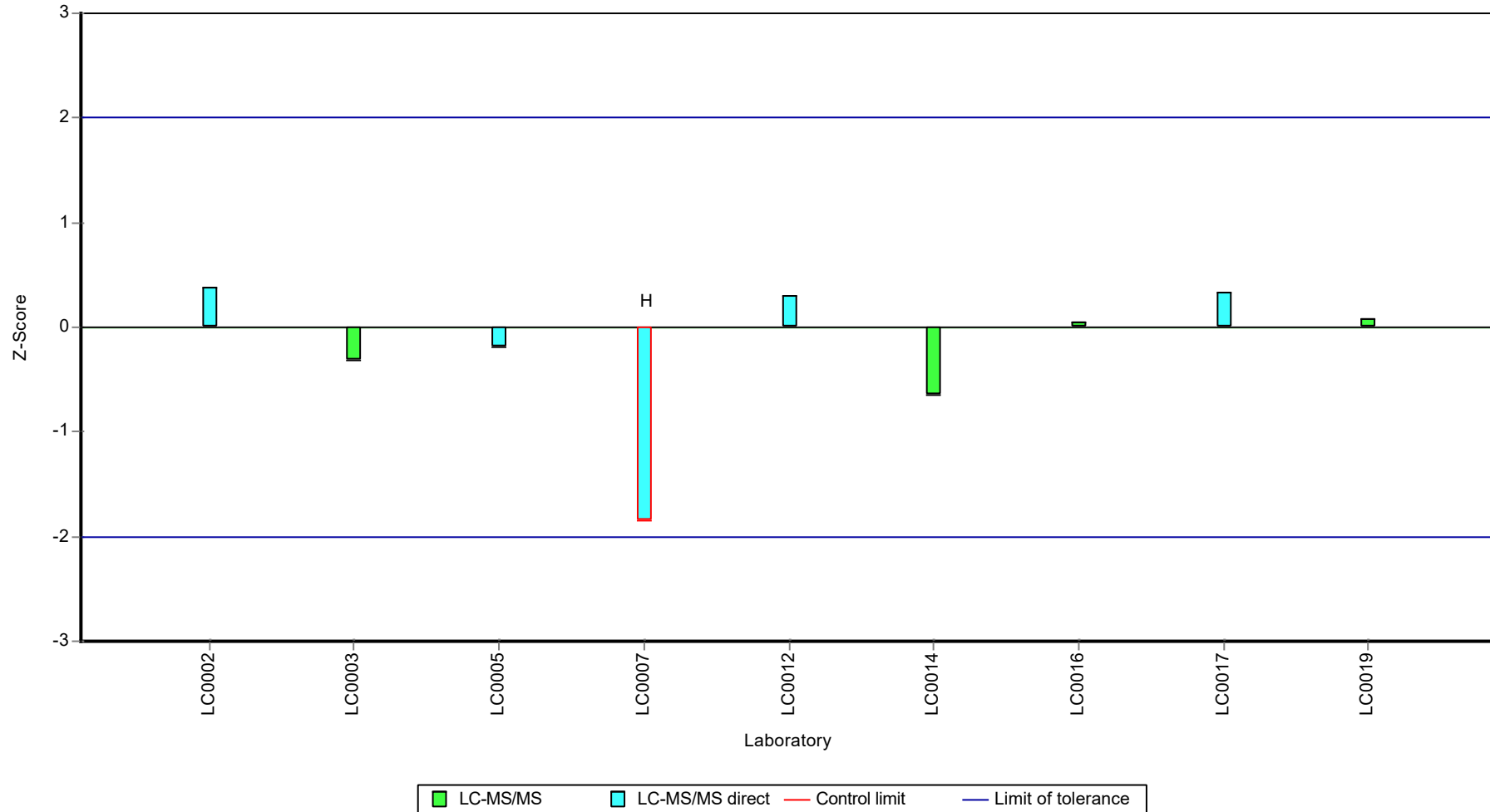
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Sucralose

Z-score



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Sulfamethoxazole

Parameter oriented report

AZ10 A

Sulfamethoxazole

Unit	µg/l
Assigned value ± U (k=2)	0.191 ± 0.0095
Criterion	0.023 (12 %)
Minimum - Maximum	0.14 - 0.222
Control test value ± U (k=2)	0.240 ± 0.0479

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.177	0.059	92.5	-0.63	
LC0002	0.197	0.036	103	0.24	
LC0003	-	-	-	-	
LC0004	0.509	0.052	266	13.83	H
LC0005	0.21	0.053	110	0.81	
LC0006	0.1618	0.0405	84.5	-1.29	
LC0007	0.188	0.026	98.2	-0.15	
LC0008	0.182	0.036	95.1	-0.41	
LC0009	0.195	0.05	102	0.16	
LC0010	0.14	0.021	73.1	-2.24	
LC0011	-	-	-	-	
LC0012	0.194	0.058	101	0.11	
LC0013	0.22	0.07	115	1.24	
LC0014	0.1785	0.0222	93.3	-0.56	
LC0015	0.194	0.021	101	0.11	
LC0016	0.1872	0.0431	97.8	-0.18	
LC0017	0.188	0.037	98.2	-0.15	
LC0018	0.21	0.021	110	0.81	
LC0019	0.222	0.044	116	1.33	
LC0020	0.211	0.023	110	0.85	
LC0021	0.19	0.035	99.3	-0.06	

Characteristics of parameter

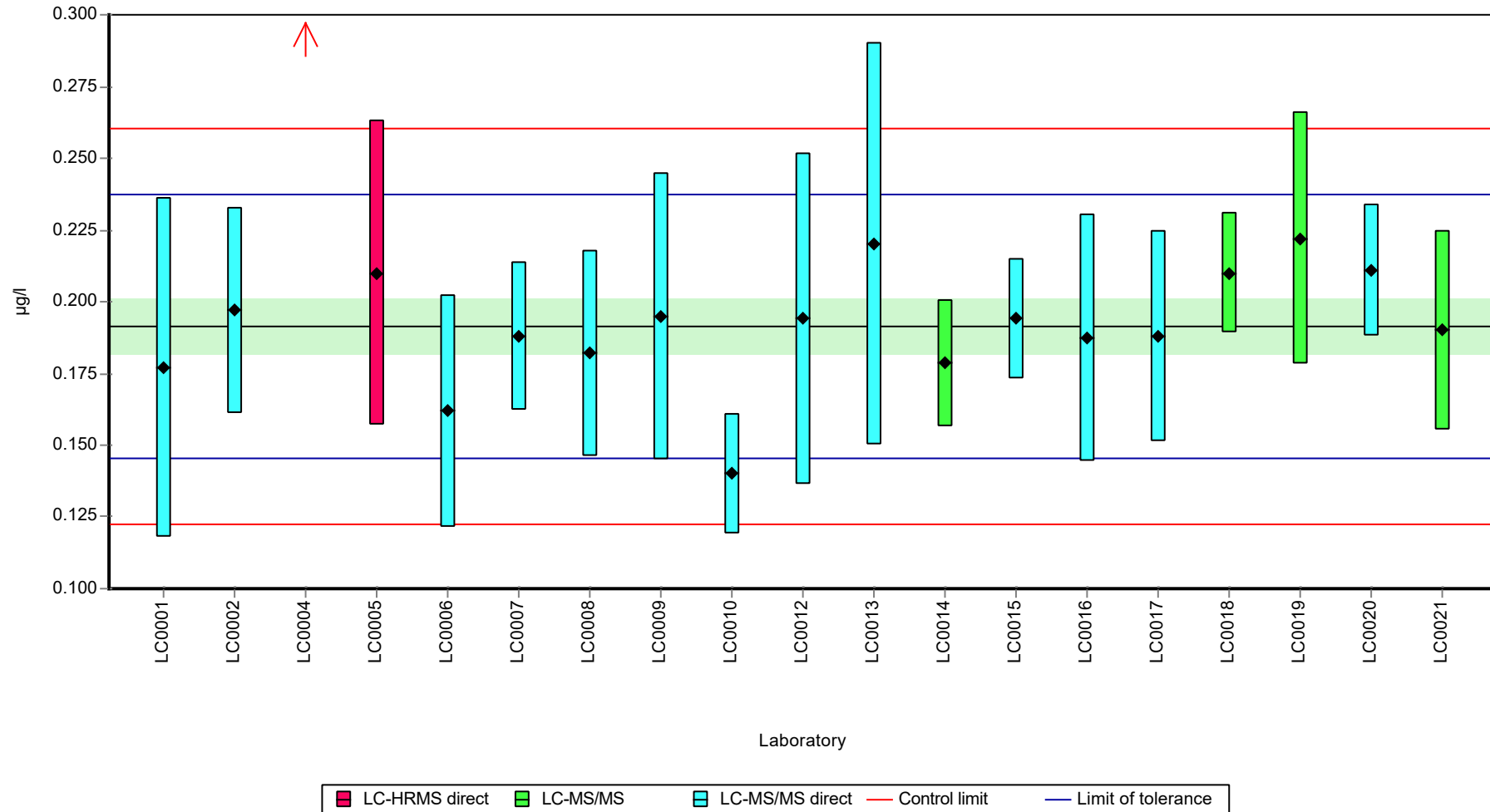
	all results	without outliers	Unit
Mean ± CI (99%)	0.208 ± 0.0519	0.191 ± 0.0143	µg/l
Minimum	0.14	0.14	µg/l
Maximum	0.509	0.222	µg/l
Standard deviation	0.0754	0.0202	µg/l
rel. standard deviation	36.3	10.5 %	
n	19	18	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Sulfamethoxazole

Graphical presentation of results

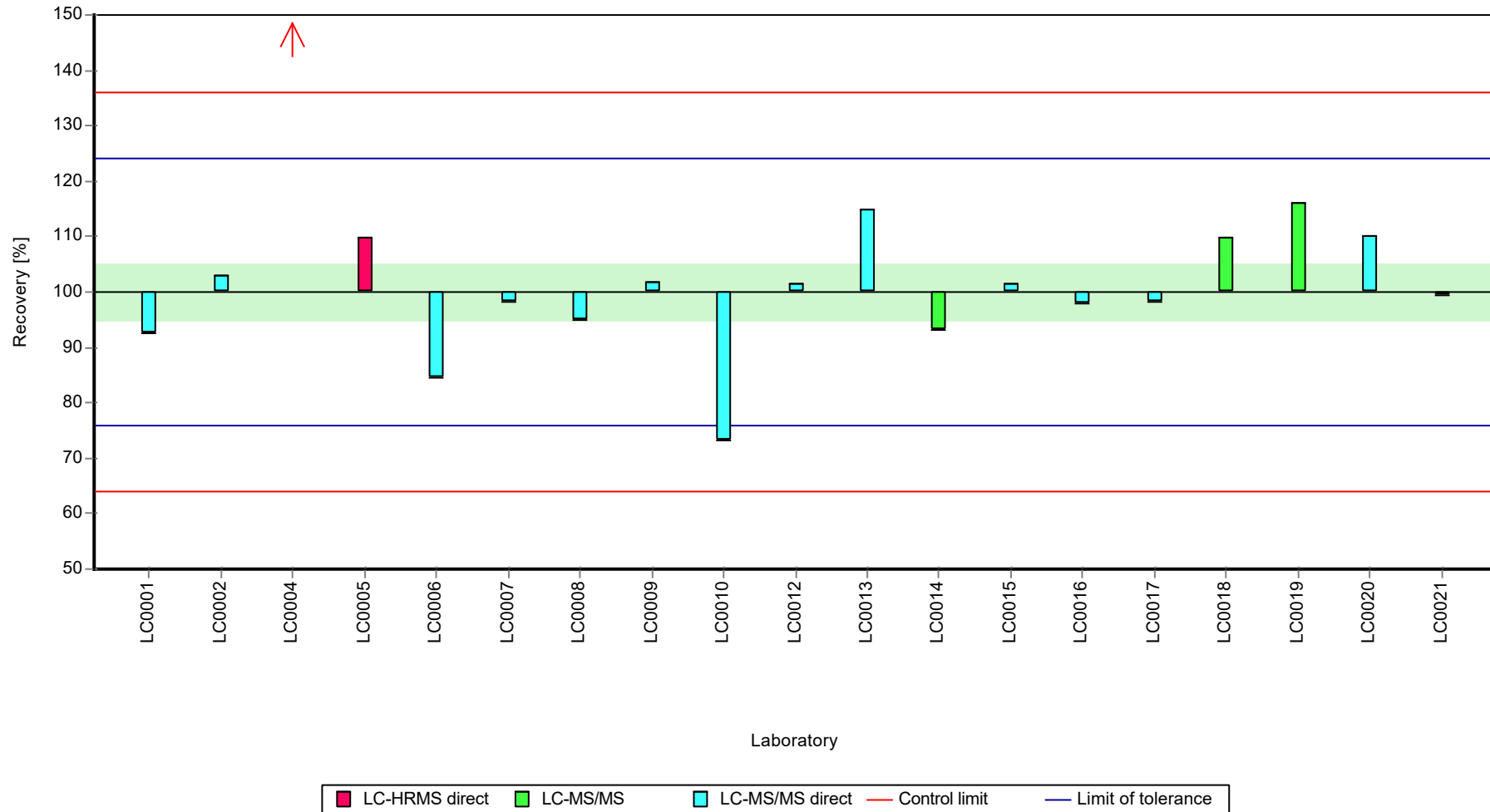
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Sulfamethoxazole

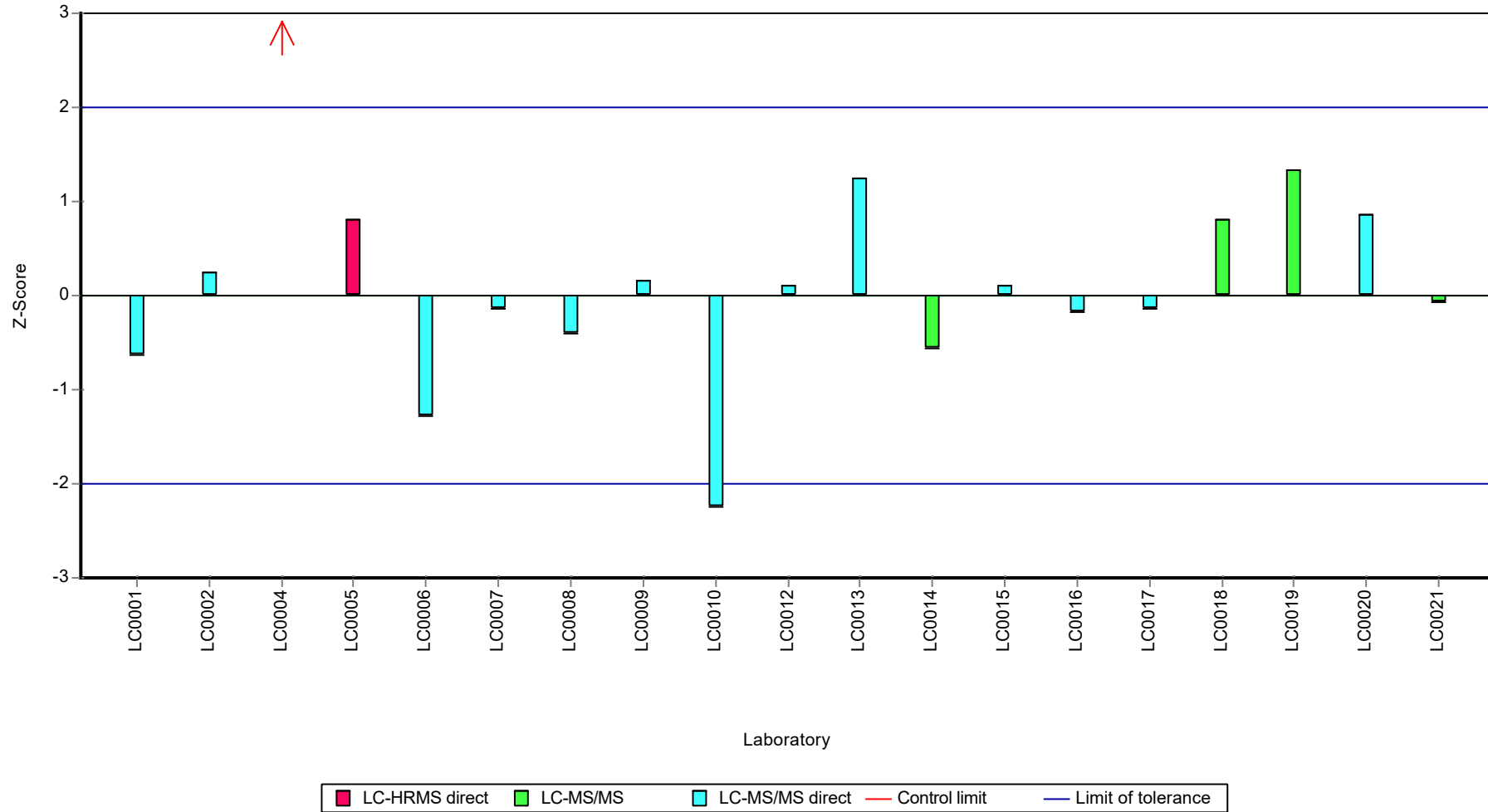
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10A, Parameter: Sulfamethoxazole

Z-score



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Sulfamethoxazole

Parameter oriented report

AZ10 B

Sulfamethoxazole

Unit	µg/l
Assigned value ± U (k=2)	0.426 ± 0.0171
Criterion	0.0511 (12 %)
Minimum - Maximum	0.369 - 0.479
Control test value ± U (k=2)	0.572 ± 0.114

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.136	0.045	31.9	-5.67	H
LC0002	0.438	0.079	103	0.24	
LC0003	-	-	-	-	
LC0004	0.222	0.016	52.1	-3.99	H
LC0005	0.478	0.12	112	1.02	
LC0006	0.369	0.0735	86.6	-1.11	
LC0007	0.414	0.041	97.2	-0.23	
LC0008	0.411	0.082	96.5	-0.29	
LC0009	0.414	0.11	97.2	-0.23	
LC0010	0.38	0.057	89.2	-0.9	
LC0011	-	-	-	-	
LC0012	0.433	0.13	102	0.14	
LC0013	0.44	0.13	103	0.28	
LC0014	0.3774	0.0468	88.6	-0.95	
LC0015	0.409	0.044	96	-0.33	
LC0016	0.431	0.0991	101	0.1	
LC0017	0.409	0.082	96	-0.33	
LC0018	0.42	0.042	98.6	-0.12	
LC0019	0.479	0.096	112	1.04	
LC0020	0.454	0.12	107	0.55	
LC0021	0.47	0.087	110	0.86	

Characteristics of parameter

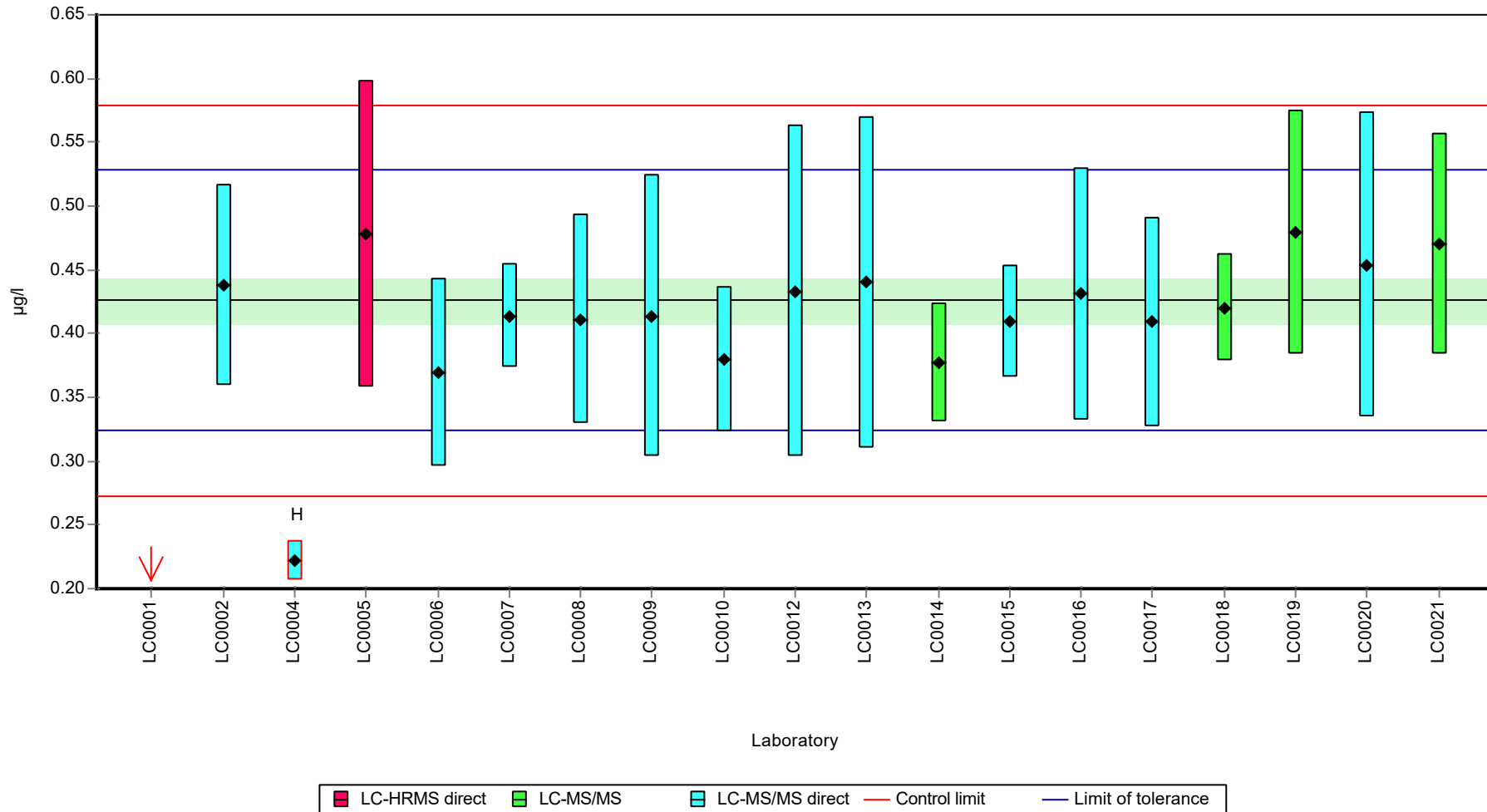
	all results	without outliers	Unit
Mean ± CI (99%)	0.399 ± 0.0584	0.425 ± 0.0241	µg/l
Minimum	0.136	0.369	µg/l
Maximum	0.479	0.479	µg/l
Standard deviation	0.0848	0.0331	µg/l
rel. standard deviation	21.3	7.78	%
n	19	17	-

Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Sulfamethoxazole

Graphical presentation of results

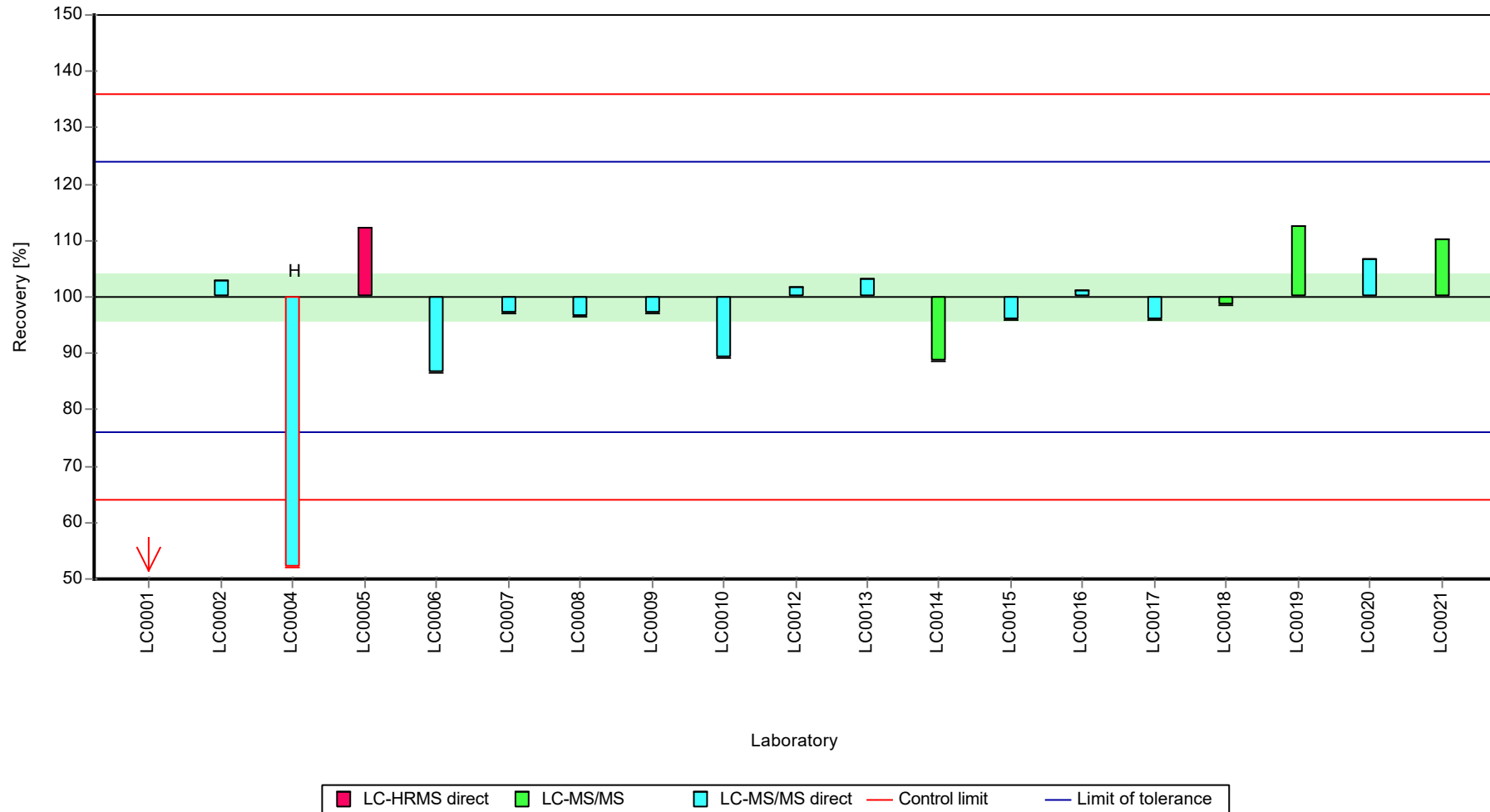
Results



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Sulfamethoxazole

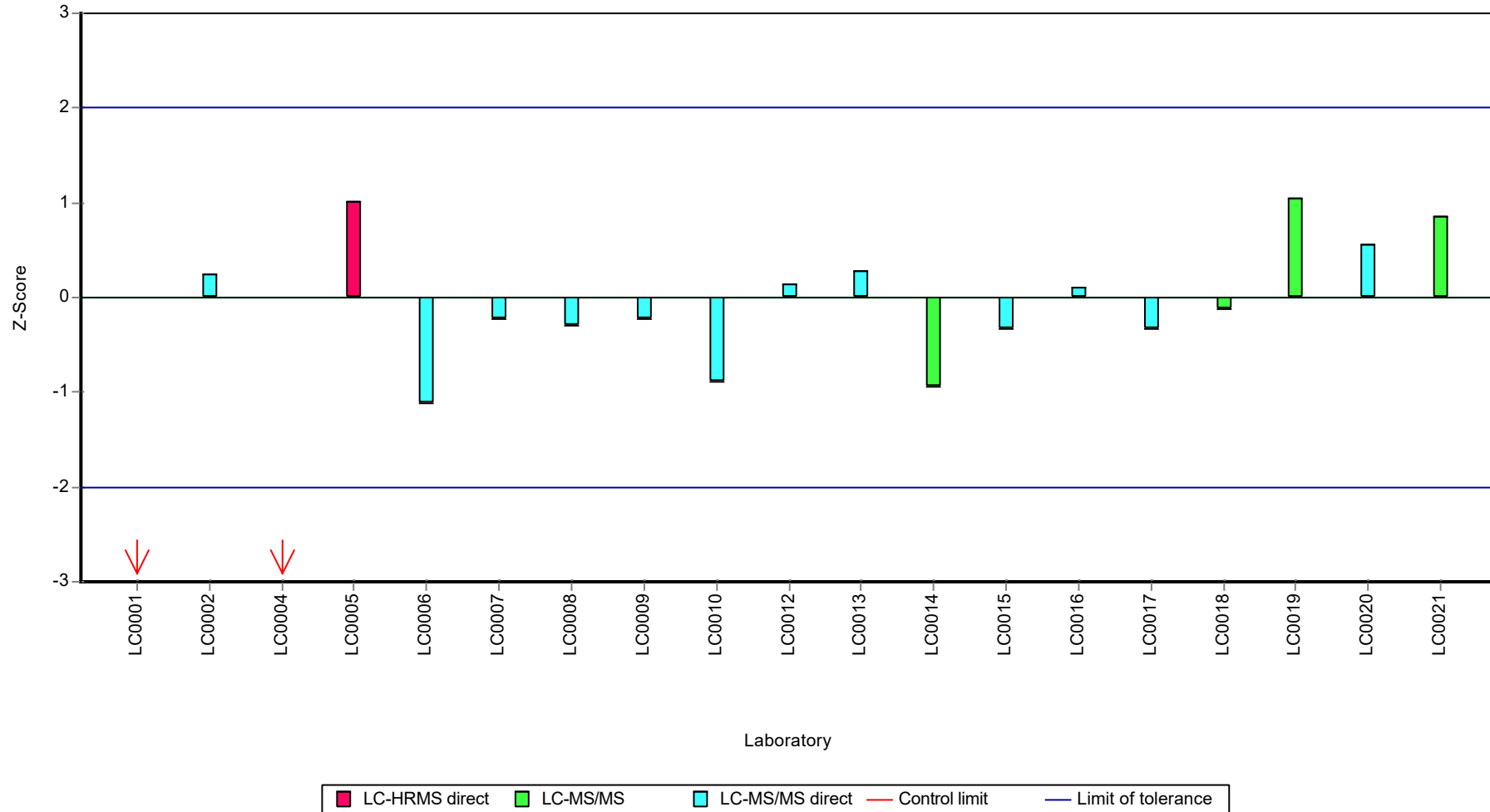
Recovery rate



Parameter oriented report Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Sample: AZ10B, Parameter: Sulfamethoxazole

Z-score



E8. Labororientierte Auswertung / Laboratory oriented report

Die Labororientierte Auswertung ist nach dem Laborcode sortiert.

The laboratory oriented report is sorted by laboratory code.

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Labcode: LC0001

Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	0.484 ± 0.032	0.0965	95.3	-0.25
Acesulfame	µg/l	0.918 ± 0.0628	0.412 ± 0.092	0.156	44.9	-3.24
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.23 ± 0.499	0.544	102	0.10
Atenolol	µg/l	0.869 ± 0.031	0.772 ± 0.063	0.217	88.8	-0.45
Benzotriazole	µg/l	0.399 ± 0.0132	0.388 ± 0.081	0.0479	97.2	-0.23
Bisoprolol	µg/l	1.12 ± 0.196	1.472 ± 0.116	0.235	132	1.50
Carbamazepine	µg/l	0.821 ± 0.0231	0.8 ± 0.053	0.107	97.5	-0.19
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	0.493 ± 0.056	0.0381	90.6	-1.34
Diclofenac	µg/l	0.913 ± 0.106	0.952 ± 0.114	0.21	104	0.18
Ibuprofen	µg/l	0.948 ± 0.0866	1.212 ± 0.133	0.133	128	1.99
Iopamidol	µg/l	1.95 ± 0.125	1.813 ± 0.528	0.449	92.9	-0.31
Metoprolol	µg/l	0.365 ± 0.0196	0.408 ± 0.069	0.0729	112	0.60
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.454 ± 0.028	0.0937	107	0.30
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.177 ± 0.059	0.023	92.5	-0.63

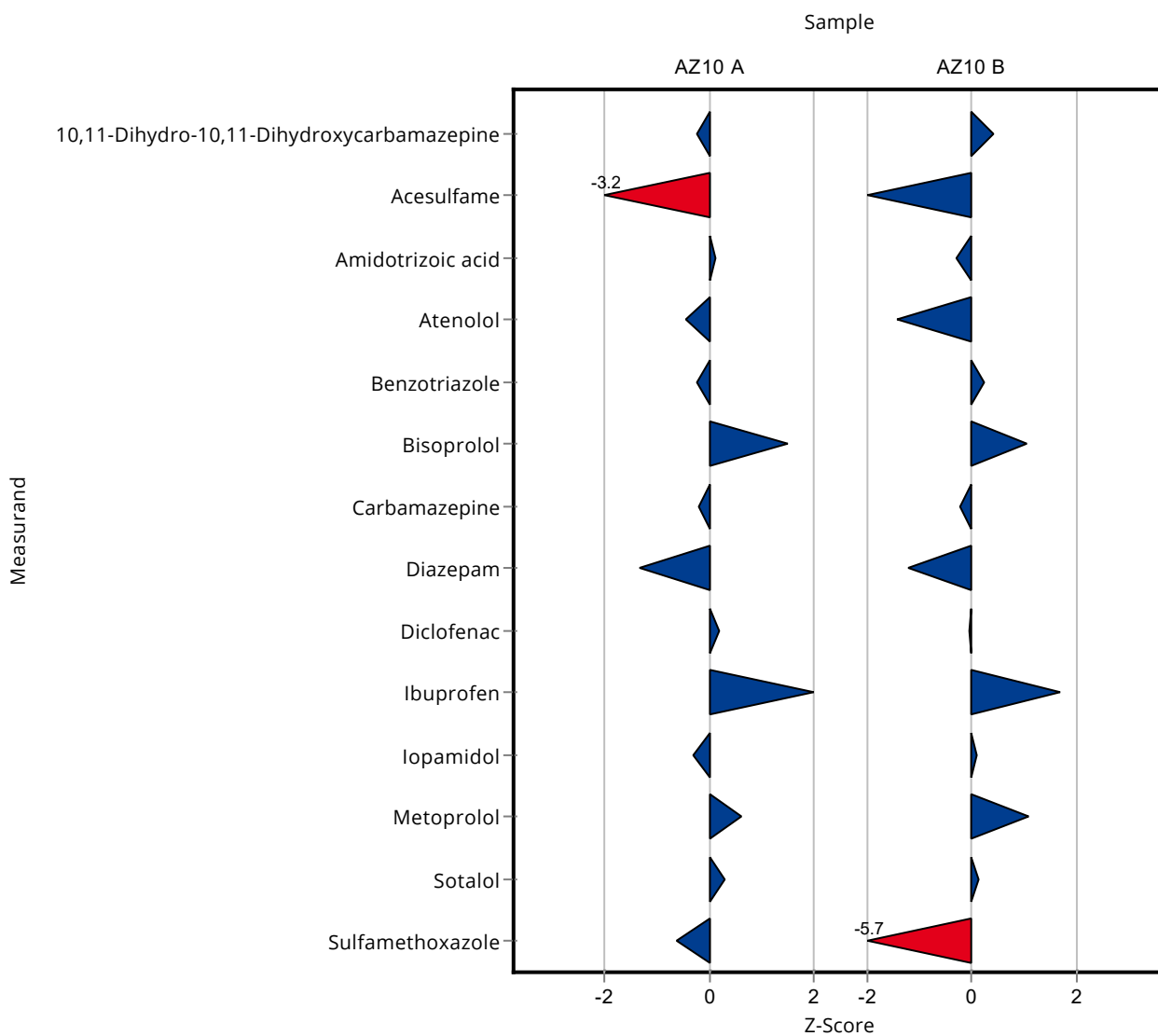
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	1.469 ± 0.098	0.207	106	0.42
Acesulfame	µg/l	0.884 ± 0.0932	0.587 ± 0.131	0.15	66.4	-1.98
Amidotrizoic acid	µg/l	3.18 ± 0.268	2.954 ± 0.662	0.794	93	-0.28
Atenolol	µg/l	1.05 ± 0.052	0.681 ± 0.056	0.263	64.6	-1.42
Benzotriazole	µg/l	7.74 ± 0.325	7.954 ± 1.661	0.929	103	0.23
Bisoprolol	µg/l	1.88 ± 0.267	2.217 ± 0.175	0.32	118	1.05
Carbamazepine	µg/l	0.925 ± 0.0475	0.898 ± 0.059	0.12	97.1	-0.22

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0001

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-	-
Diazepam	µg/l	0.275 ± 0.0192	0.241 ± 0.028	0.0275	87.8	-1.22
Diclofenac	µg/l	4.07 ± 0.211	4.04 ± 0.485	0.569	99.3	-0.05
Ibuprofen	µg/l	2.26 ± 0.124	2.61 ± 0.287	0.204	115	1.71
Iopamidol	µg/l	40 ± 4.79	40.88 ± 11.9	9.19	102	0.10
Metoprolol	µg/l	0.937 ± 0.106	1.16 ± 0.196	0.206	124	1.08
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	1.959 ± 0.121	0.417	103	0.15
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.136 ± 0.045	0.0511	31.9	-5.67



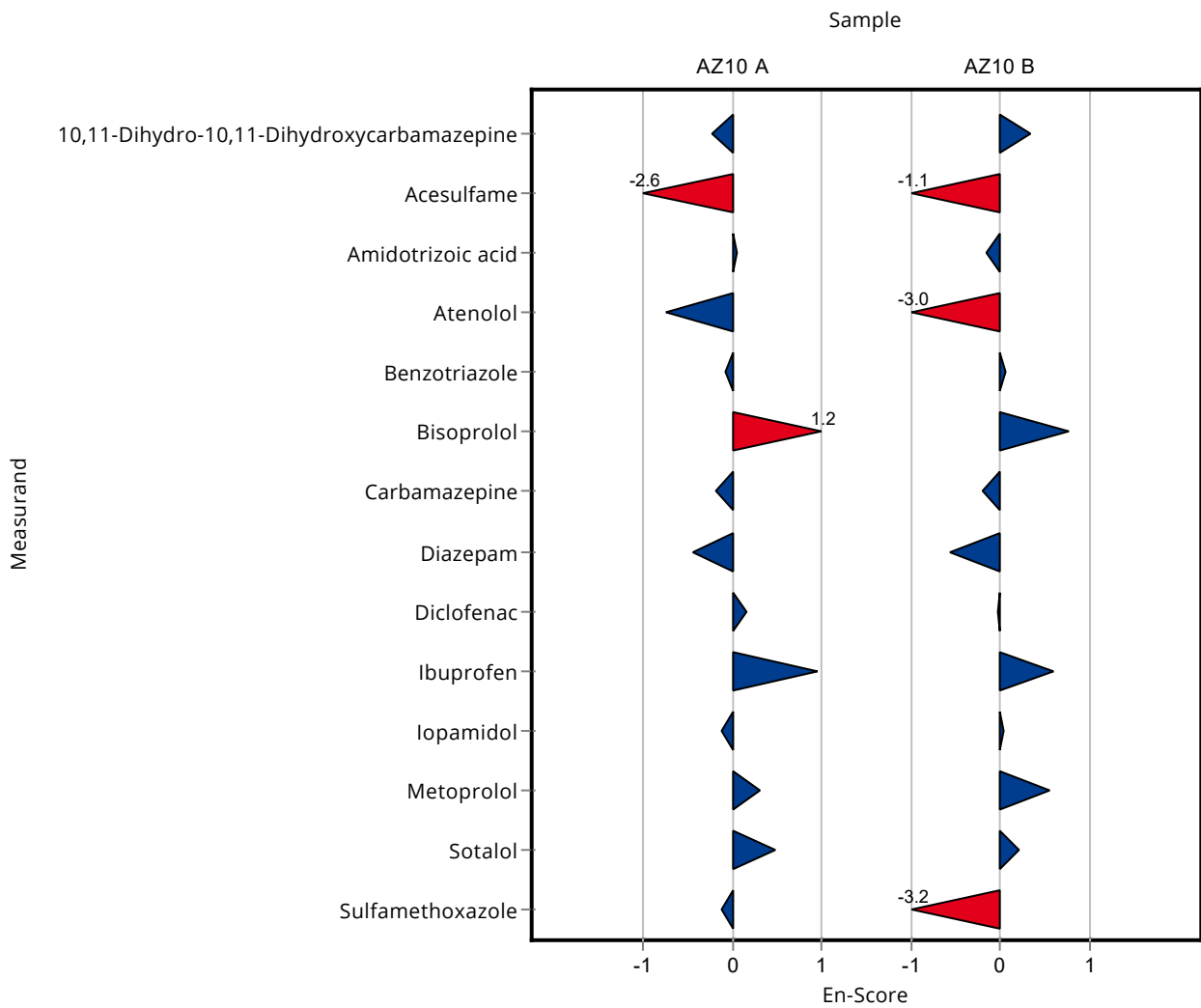
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	0.484 ± 0.032	0.0965	95.3	-0.24
Acesulfame	µg/l	0.918 ± 0.0628	0.412 ± 0.092	0.156	44.9	-2.60
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.23 ± 0.499	0.544	102	0.05
Atenolol	µg/l	0.869 ± 0.031	0.772 ± 0.063	0.217	88.8	-0.75
Benzotriazole	µg/l	0.399 ± 0.0132	0.388 ± 0.081	0.0479	97.2	-0.07
Bisoprolol	µg/l	1.12 ± 0.196	1.472 ± 0.116	0.235	132	1.16
Carbamazepine	µg/l	0.821 ± 0.0231	0.8 ± 0.053	0.107	97.5	-0.19
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	0.493 ± 0.056	0.0381	90.6	-0.44
Diclofenac	µg/l	0.913 ± 0.106	0.952 ± 0.114	0.21	104	0.15
Ibuprofen	µg/l	0.948 ± 0.0866	1.212 ± 0.133	0.133	128	0.94
Iopamidol	µg/l	1.95 ± 0.125	1.813 ± 0.528	0.449	92.9	-0.13
Metoprolol	µg/l	0.365 ± 0.0196	0.408 ± 0.069	0.0729	112	0.31
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.454 ± 0.028	0.0937	107	0.47
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.177 ± 0.059	0.023	92.5	-0.12

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	1.469 ± 0.098	0.207	106	0.34

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Dihydroxycarbamazepine						
Acesulfame	µg/l	0.884 ± 0.0932	0.587 ± 0.131	0.15	66.4	-1.07
Amidotrizoic acid	µg/l	3.18 ± 0.268	2.954 ± 0.662	0.794	93	-0.16
Atenolol	µg/l	1.05 ± 0.052	0.681 ± 0.056	0.263	64.6	-3.02
Benzotriazole	µg/l	7.74 ± 0.325	7.954 ± 1.661	0.929	103	0.06
Bisoprolol	µg/l	1.88 ± 0.267	2.217 ± 0.175	0.32	118	0.76
Carbamazepine	µg/l	0.925 ± 0.0475	0.898 ± 0.059	0.12	97.1	-0.21
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-	-
Diazepam	µg/l	0.275 ± 0.0192	0.241 ± 0.028	0.0275	87.8	-0.57
Diclofenac	µg/l	4.07 ± 0.211	4.04 ± 0.485	0.569	99.3	-0.03
Ibuprofen	µg/l	2.26 ± 0.124	2.61 ± 0.287	0.204	115	0.59
Iopamidol	µg/l	40 ± 4.79	40.88 ± 11.9	9.19	102	0.04
Metoprolol	µg/l	0.937 ± 0.106	1.16 ± 0.196	0.206	124	0.55
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	1.959 ± 0.121	0.417	103	0.22
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.136 ± 0.045	0.0511	31.9	-3.16



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Labcode: LC0002

Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	1.038 ± 0.187	0.156	113	0.77
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.099 ± 0.378	0.544	96.5	-0.14
Atenolol	µg/l	0.869 ± 0.031	0.904 ± 0.163	0.217	104	0.16
Benzotriazole	µg/l	0.399 ± 0.0132	0.416 ± 0.075	0.0479	104	0.35
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.798 ± 0.144	0.107	97.2	-0.21
Cyclamate	µg/l	0.652 ± 0.0208	0.642 ± 0.116	0.196	98.4	-0.05
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	1.106 ± 0.199	0.21	121	0.92
Ibuprofen	µg/l	0.948 ± 0.0866	1.122 ± 0.202	0.133	118	1.31
Iopamidol	µg/l	1.95 ± 0.125	1.928 ± 0.347	0.449	98.8	-0.05
Metoprolol	µg/l	0.365 ± 0.0196	0.375 ± 0.067	0.0729	103	0.14
Saccharin	µg/l	- ± -	1.198 ± 0.216	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.422 ± 0.076	0.0937	99.1	-0.04
Sucralose	µg/l	2.93 ± 0.216	3.437 ± 0.619	0.878	117	0.58
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.197 ± 0.036	0.023	103	0.24

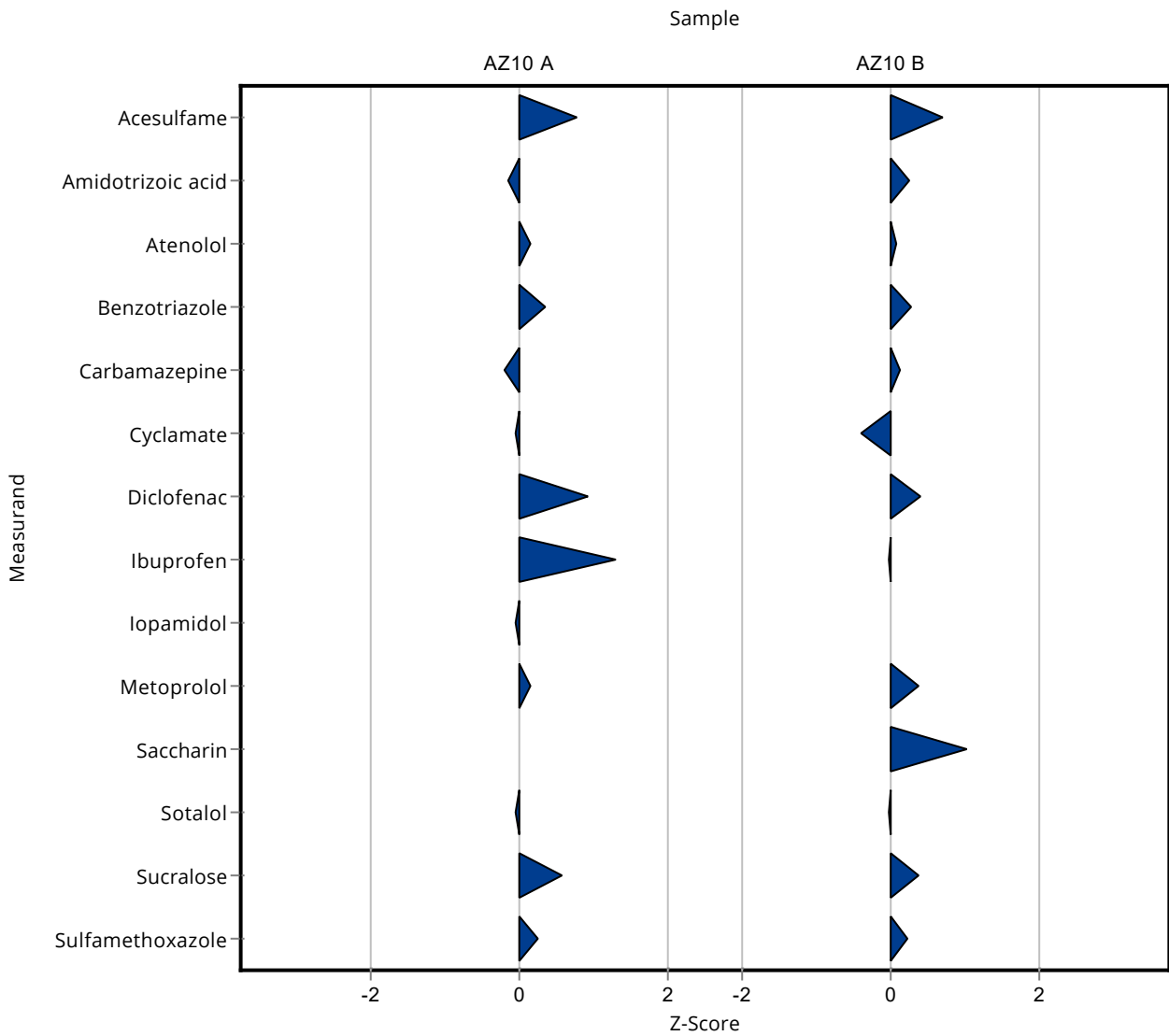
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	- ± -	0.207	-	-
Acesulfame	µg/l	0.884 ± 0.0932	0.988 ± 0.178	0.15	112	0.69
Amidotrizoic acid	µg/l	3.18 ± 0.268	3.376 ± 0.608	0.794	106	0.25
Atenolol	µg/l	1.05 ± 0.052	1.072 ± 0.193	0.263	102	0.07
Benzotriazole	µg/l	7.74 ± 0.325	8.002 ± 1.44	0.929	103	0.28
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.939 ± 0.169	0.12	102	0.12

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0002

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	0.376 ± 0.068	0.128	88.1	-0.40
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	4.289 ± 0.772	0.569	105	0.39
Ibuprofen	µg/l	2.26 ± 0.124	2.254 ± 0.406	0.204	99.7	-0.04
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-	-
Metoprolol	µg/l	0.937 ± 0.106	1.014 ± 0.182	0.206	108	0.38
Saccharin	µg/l	1.02 ± 0.091	1.251 ± 0.225	0.224	123	1.03
Sotalol	µg/l	1.9 ± 0.148	1.89 ± 0.34	0.417	99.6	-0.02
Sucralose	µg/l	26 ± 1.99	29.026 ± 5.225	7.81	112	0.38
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.438 ± 0.079	0.0511	103	0.24



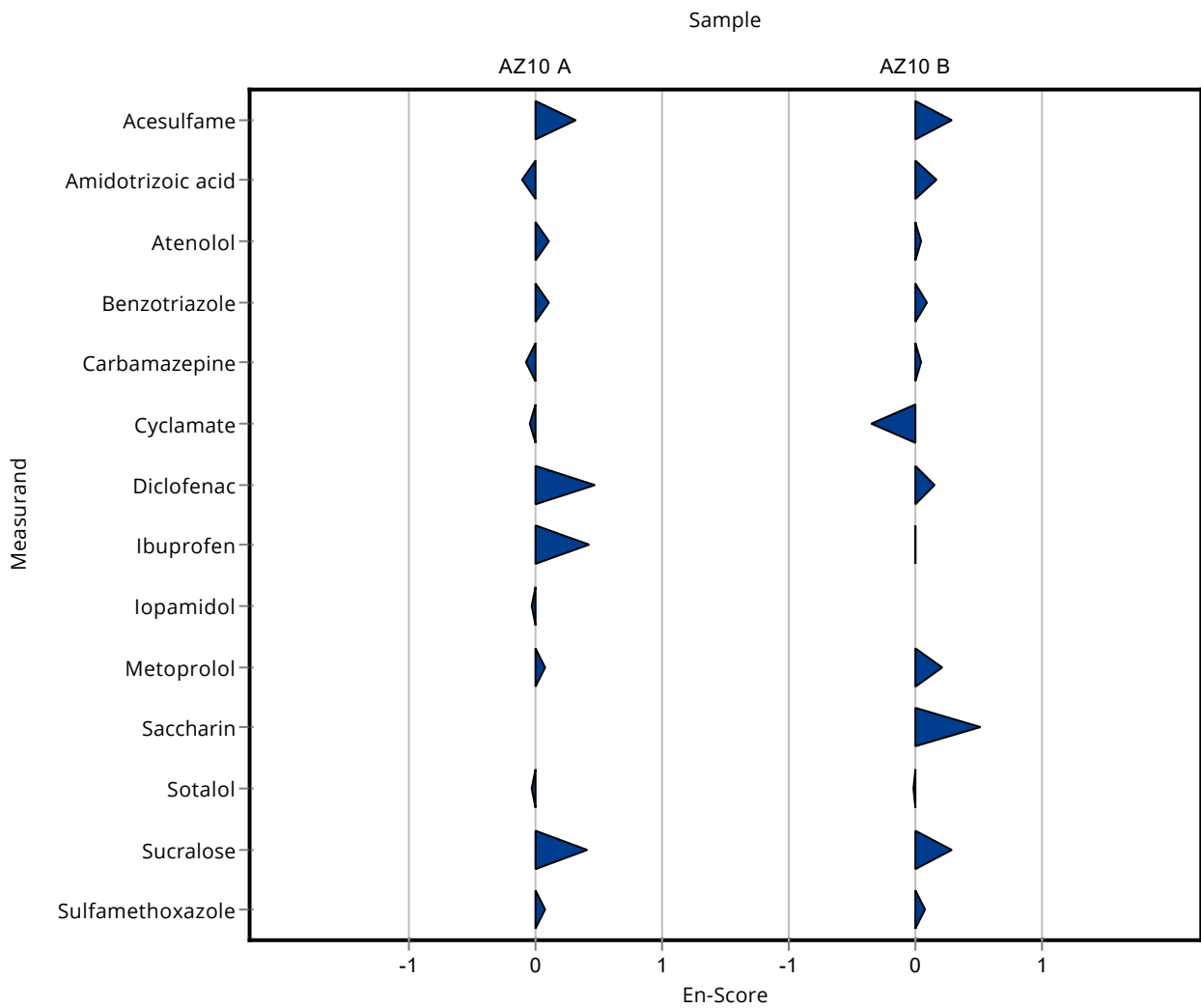
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	1.038 ± 0.187	0.156	113	0.32
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.099 ± 0.378	0.544	96.5	-0.10
Atenolol	µg/l	0.869 ± 0.031	0.904 ± 0.163	0.217	104	0.11
Benzotriazole	µg/l	0.399 ± 0.0132	0.416 ± 0.075	0.0479	104	0.11
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.798 ± 0.144	0.107	97.2	-0.08
Cyclamate	µg/l	0.652 ± 0.0208	0.642 ± 0.116	0.196	98.4	-0.04
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	1.106 ± 0.199	0.21	121	0.47
Ibuprofen	µg/l	0.948 ± 0.0866	1.122 ± 0.202	0.133	118	0.42
Iopamidol	µg/l	1.95 ± 0.125	1.928 ± 0.347	0.449	98.8	-0.03
Metoprolol	µg/l	0.365 ± 0.0196	0.375 ± 0.067	0.0729	103	0.08
Saccharin	µg/l	- ± -	1.198 ± 0.216	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.422 ± 0.076	0.0937	99.1	-0.02
Sucralose	µg/l	2.93 ± 0.216	3.437 ± 0.619	0.878	117	0.41
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.197 ± 0.036	0.023	103	0.08

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	- ± -	0.207	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score	En-Score [%]
Dihydroxycarbamazepine						
Acesulfame	µg/l	0.884 ± 0.0932	0.988 ± 0.178	0.15	112	0.28
Amidotrizoic acid	µg/l	3.18 ± 0.268	3.376 ± 0.608	0.794	106	0.16
Atenolol	µg/l	1.05 ± 0.052	1.072 ± 0.193	0.263	102	0.05
Benzotriazole	µg/l	7.74 ± 0.325	8.002 ± 1.44	0.929	103	0.09
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.939 ± 0.169	0.12	102	0.04
Cyclamate	µg/l	0.427 ± 0.0408	0.376 ± 0.068	0.128	88.1	-0.36
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	4.289 ± 0.772	0.569	105	0.14
Ibuprofen	µg/l	2.26 ± 0.124	2.254 ± 0.406	0.204	99.7	-0.01
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-	-
Metoprolol	µg/l	0.937 ± 0.106	1.014 ± 0.182	0.206	108	0.20
Saccharin	µg/l	1.02 ± 0.091	1.251 ± 0.225	0.224	123	0.50
Sotalol	µg/l	1.9 ± 0.148	1.89 ± 0.34	0.417	99.6	-0.01
Sucralose	µg/l	26 ± 1.99	29.026 ± 5.225	7.81	112	0.28
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.438 ± 0.079	0.0511	103	0.08



Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	0.98 ± 0.43	0.156	107	0.39
Amidotrizoic acid	µg/l	2.18 ± 0.0987	- ± -	0.544	-	-
Atenolol	µg/l	0.869 ± 0.031	- ± -	0.217	-	-
Benzotriazole	µg/l	0.399 ± 0.0132	- ± -	0.0479	-	-
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	- ± -	0.107	-	-
Cyclamate	µg/l	0.652 ± 0.0208	0.63 ± 0.28	0.196	96.6	-0.11
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	- ± -	0.21	-	-
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0.133	-	-
Iopamidol	µg/l	1.95 ± 0.125	- ± -	0.449	-	-
Metoprolol	µg/l	0.365 ± 0.0196	- ± -	0.0729	-	-
Saccharin	µg/l	- ± -	1.05 ± 0.46	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	- ± -	0.0937	-	-
Sucralose	µg/l	2.93 ± 0.216	2.72 ± 1.2	0.878	93	-0.23
Sulfamethoxazole	µg/l	0.191 ± 0.0095	- ± -	0.023	-	-

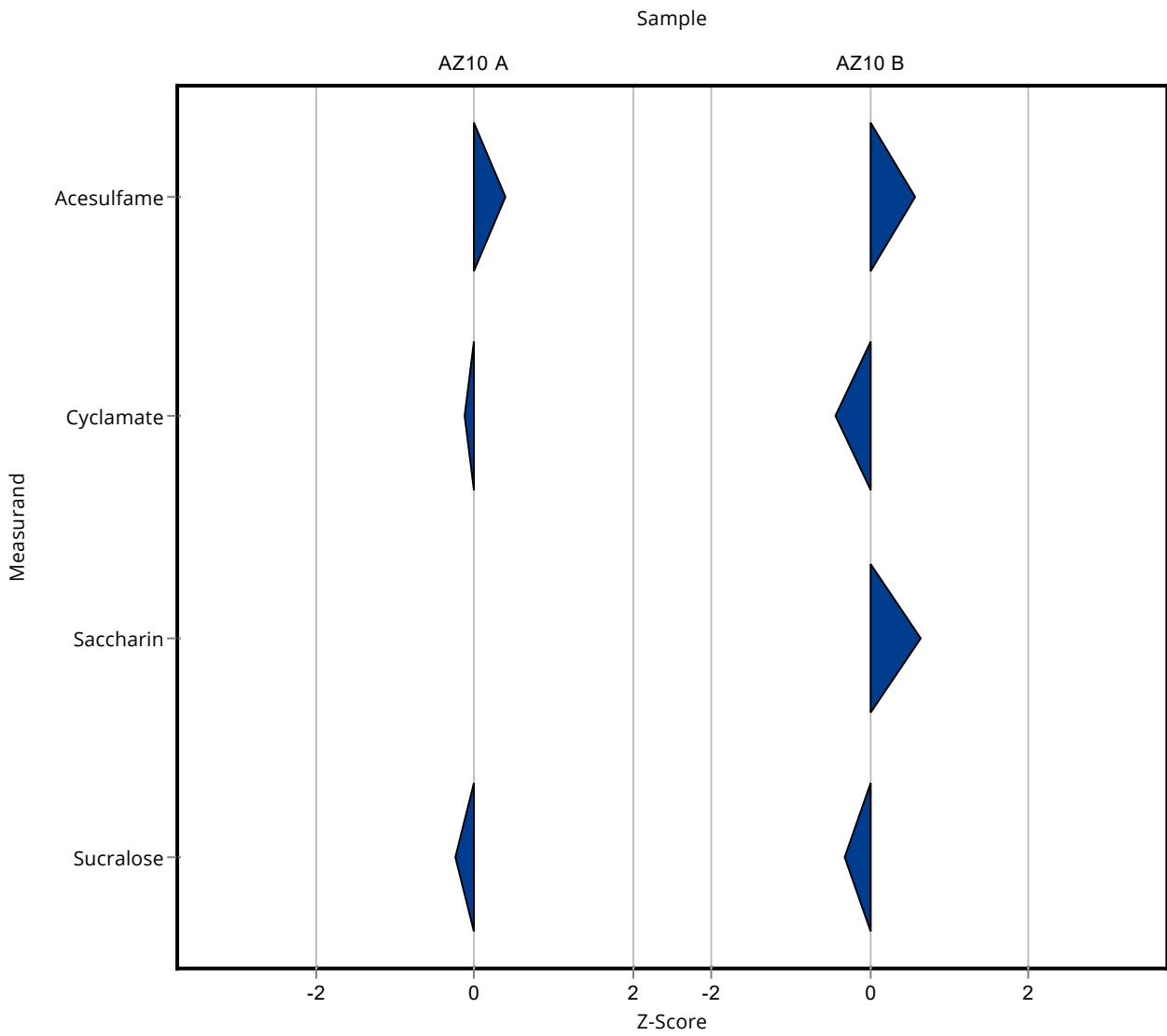
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	- ± -	0.207	-	-
Acesulfame	µg/l	0.884 ± 0.0932	0.97 ± 0.43	0.15	110	0.57
Amidotrizoic acid	µg/l	3.18 ± 0.268	- ± -	0.794	-	-
Atenolol	µg/l	1.05 ± 0.052	- ± -	0.263	-	-
Benzotriazole	µg/l	7.74 ± 0.325	- ± -	0.929	-	-
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	- ± -	0.12	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0003

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	0.37 ± 0.16	0.128	86.7	-0.44
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	- ± -	0.569	-	-
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-	-
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-	-
Metoprolol	µg/l	0.937 ± 0.106	- ± -	0.206	-	-
Saccharin	µg/l	1.02 ± 0.091	1.16 ± 0.51	0.224	114	0.63
Sotalol	µg/l	1.9 ± 0.148	- ± -	0.417	-	-
Sucralose	µg/l	26 ± 1.99	23.55 ± 10.36	7.81	90.5	-0.32
Sulfamethoxazole	µg/l	0.426 ± 0.0171	- ± -	0.0511	-	-



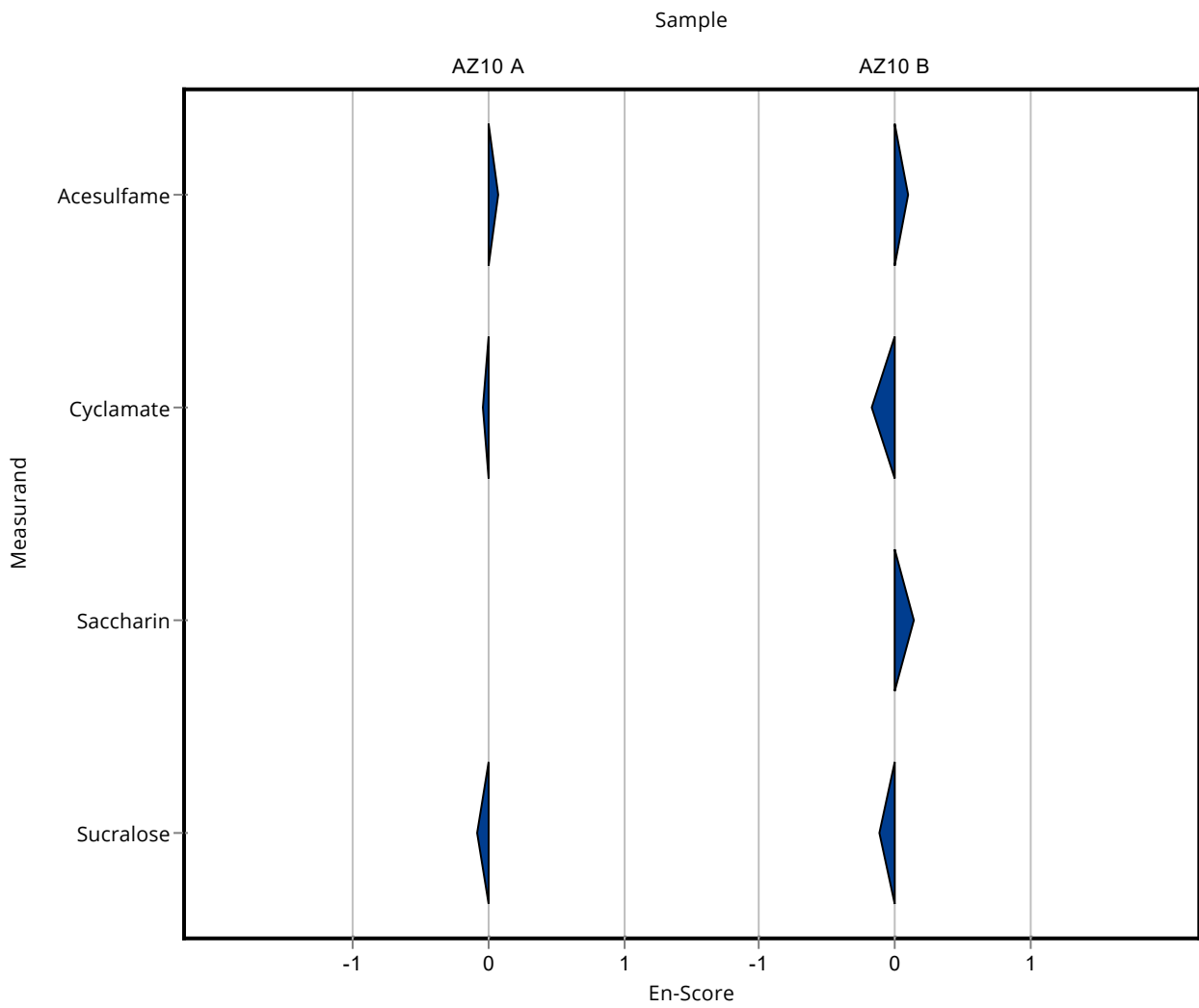
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	0.98 ± 0.43	0.156	107	0.07
Amidotrizoic acid	µg/l	2.18 ± 0.0987	- ± -	0.544	-	-
Atenolol	µg/l	0.869 ± 0.031	- ± -	0.217	-	-
Benzotriazole	µg/l	0.399 ± 0.0132	- ± -	0.0479	-	-
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	- ± -	0.107	-	-
Cyclamate	µg/l	0.652 ± 0.0208	0.63 ± 0.28	0.196	96.6	-0.04
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	- ± -	0.21	-	-
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0.133	-	-
Iopamidol	µg/l	1.95 ± 0.125	- ± -	0.449	-	-
Metoprolol	µg/l	0.365 ± 0.0196	- ± -	0.0729	-	-
Saccharin	µg/l	- ± -	1.05 ± 0.46	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	- ± -	0.0937	-	-
Sucralose	µg/l	2.93 ± 0.216	2.72 ± 1.2	0.878	93	-0.09
Sulfamethoxazole	µg/l	0.191 ± 0.0095	- ± -	0.023	-	-

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	- ± -	0.207	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Dihydroxycarbamazepine					
Acesulfame	µg/l	0.884 ± 0.0932	0.97 ± 0.43	0.15	110
Amidotrizoic acid	µg/l	3.18 ± 0.268	- ± -	0.794	-
Atenolol	µg/l	1.05 ± 0.052	- ± -	0.263	-
Benzotriazole	µg/l	7.74 ± 0.325	- ± -	0.929	-
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-
Carbamazepine	µg/l	0.925 ± 0.0475	- ± -	0.12	-
Cyclamate	µg/l	0.427 ± 0.0408	0.37 ± 0.16	0.128	86.7
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-
Diclofenac	µg/l	4.07 ± 0.211	- ± -	0.569	-
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-
Metoprolol	µg/l	0.937 ± 0.106	- ± -	0.206	-
Saccharin	µg/l	1.02 ± 0.091	1.16 ± 0.51	0.224	114
Sotalol	µg/l	1.9 ± 0.148	- ± -	0.417	-
Sucralose	µg/l	26 ± 1.99	23.55 ± 10.36	7.81	90.5
Sulfamethoxazole	µg/l	0.426 ± 0.0171	- ± -	0.0511	-



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Labcode: LC0004

Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	5.57 ± 0.36	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	1.04 ± 0.09	0.156	113	0.78
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.44 ± 0.14	0.544	112	0.49
Atenolol	µg/l	0.869 ± 0.031	1.19 ± 0.1	0.217	137	1.48
Benzotriazole	µg/l	0.399 ± 0.0132	7.37 ± 0.46	0.0479	1850	145.50
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	1.11 ± 0.12	0.107	135	2.71
Cyclamate	µg/l	0.652 ± 0.0208	0.397 ± 0.03	0.196	60.9	-1.30
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	- ± -	0.21	-	-
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0.133	-	-
Iopamidol	µg/l	1.95 ± 0.125	- ± -	0.449	-	-
Metoprolol	µg/l	0.365 ± 0.0196	1.09 ± 0.14	0.0729	299	9.95
Saccharin	µg/l	- ± -	0.994 ± 0.08	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	2.08 ± 0.26	0.0937	488	17.66
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.509 ± 0.052	0.023	266	13.83

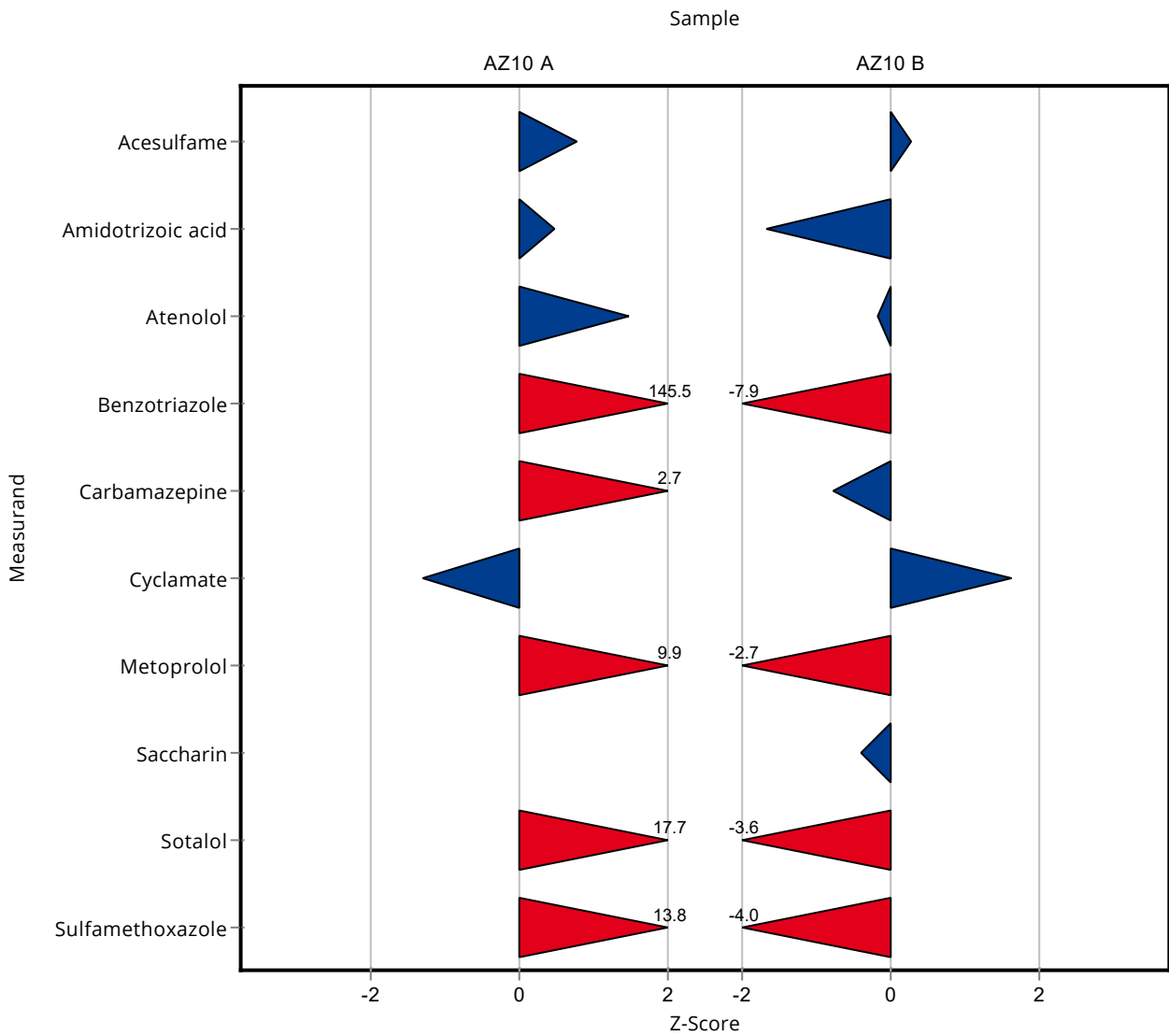
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.273 ± 0.019	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	- ± -	0.207	-	-
Acesulfame	µg/l	0.884 ± 0.0932	0.924 ± 0.055	0.15	105	0.27
Amidotrizoic acid	µg/l	3.18 ± 0.268	1.84 ± 0.19	0.794	57.9	-1.68
Atenolol	µg/l	1.05 ± 0.052	1.01 ± 0.12	0.263	95.8	-0.17
Benzotriazole	µg/l	7.74 ± 0.325	0.396 ± 0.033	0.929	5.11	-7.91
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.832 ± 0.082	0.12	90	-0.77

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0004

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	0.636 ± 0.041	0.128	149	1.63
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	- ± -	0.569	-	-
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-	-
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-	-
Metoprolol	µg/l	0.937 ± 0.106	0.383 ± 0.038	0.206	40.9	-2.69
Saccharin	µg/l	1.02 ± 0.091	0.927 ± 0.088	0.224	90.9	-0.41
Sotalol	µg/l	1.9 ± 0.148	0.377 ± 0.041	0.417	19.9	-3.64
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.222 ± 0.016	0.0511	52.1	-3.99



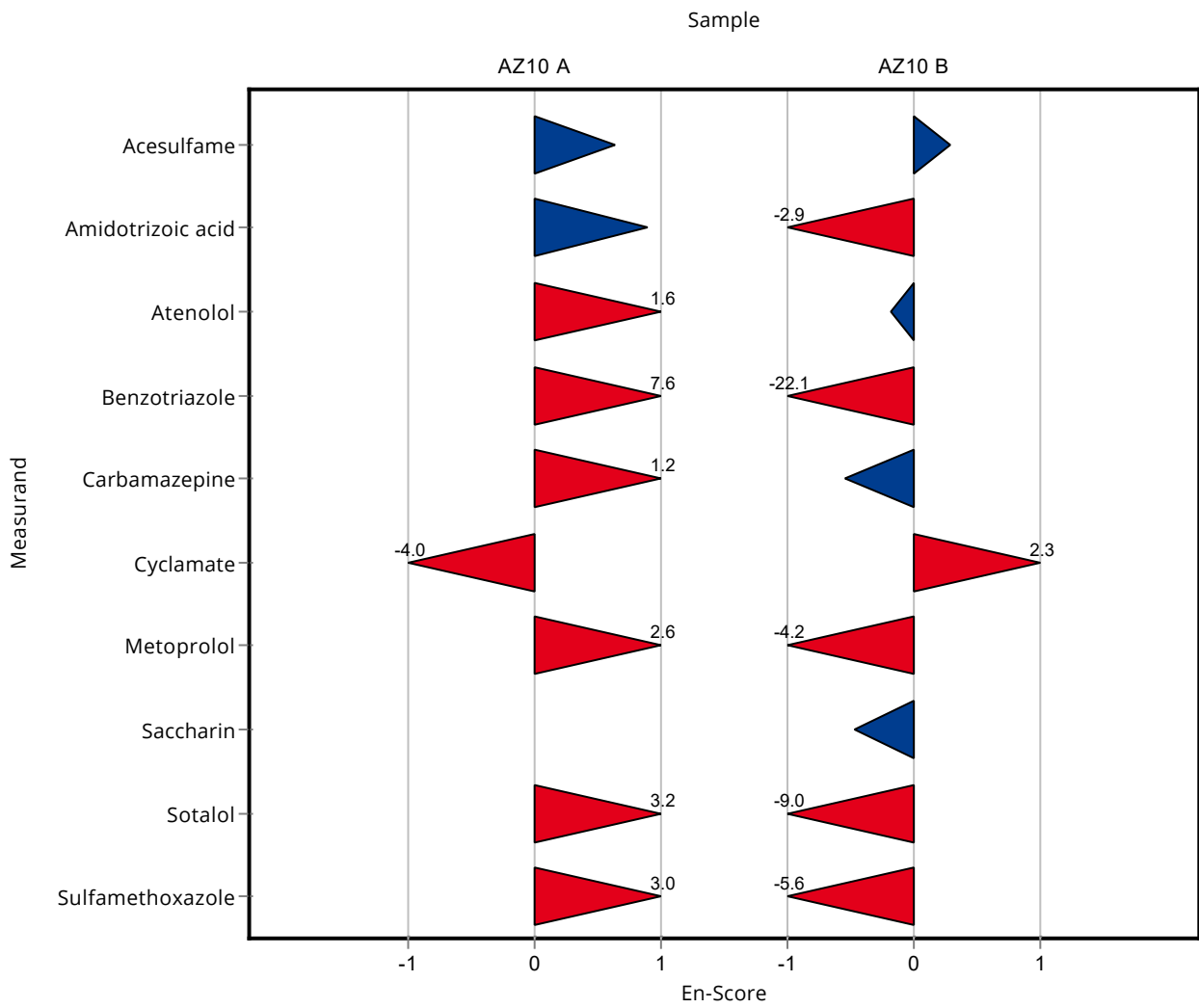
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	5.57 ± 0.36	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	1.04 ± 0.09	0.156	113	0.64
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.44 ± 0.14	0.544	112	0.89
Atenolol	µg/l	0.869 ± 0.031	1.19 ± 0.1	0.217	137	1.58
Benzotriazole	µg/l	0.399 ± 0.0132	7.37 ± 0.46	0.0479	1850	7.58
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	1.11 ± 0.12	0.107	135	1.20
Cyclamate	µg/l	0.652 ± 0.0208	0.397 ± 0.03	0.196	60.9	-4.02
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	- ± -	0.21	-	-
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0.133	-	-
Iopamidol	µg/l	1.95 ± 0.125	- ± -	0.449	-	-
Metoprolol	µg/l	0.365 ± 0.0196	1.09 ± 0.14	0.0729	299	2.58
Saccharin	µg/l	- ± -	0.994 ± 0.08	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	2.08 ± 0.26	0.0937	488	3.18
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.509 ± 0.052	0.023	266	3.04

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.273 ± 0.019	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	- ± -	0.207	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Dihydroxycarbamazepine						
Acesulfame	µg/l	0.884 ± 0.0932	0.924 ± 0.055	0.15	105	0.28
Amidotrizoic acid	µg/l	3.18 ± 0.268	1.84 ± 0.19	0.794	57.9	-2.88
Atenolol	µg/l	1.05 ± 0.052	1.01 ± 0.12	0.263	95.8	-0.18
Benzotriazole	µg/l	7.74 ± 0.325	0.396 ± 0.033	0.929	5.11	-22.14
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.832 ± 0.082	0.12	90	-0.54
Cyclamate	µg/l	0.427 ± 0.0408	0.636 ± 0.041	0.128	149	2.28
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	- ± -	0.569	-	-
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-	-
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-	-
Metoprolol	µg/l	0.937 ± 0.106	0.383 ± 0.038	0.206	40.9	-4.24
Saccharin	µg/l	1.02 ± 0.091	0.927 ± 0.088	0.224	90.9	-0.47
Sotalol	µg/l	1.9 ± 0.148	0.377 ± 0.041	0.417	19.9	-8.98
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.222 ± 0.016	0.0511	52.1	-5.62



Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.549 ± 0.137	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.248 ± 0.062	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	0.873 ± 0.218	0.156	95.1	-0.29
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.01 ± 0.503	0.544	92.4	-0.30
Atenolol	µg/l	0.869 ± 0.031	0.896 ± 0.224	0.217	103	0.12
Benzotriazole	µg/l	0.399 ± 0.0132	0.4 ± 0.1	0.0479	100	0.02
Bisoprolol	µg/l	1.12 ± 0.196	0.978 ± 0.245	0.235	87.4	-0.60
Carbamazepine	µg/l	0.821 ± 0.0231	0.8 ± 0.2	0.107	97.5	-0.19
Cyclamate	µg/l	0.652 ± 0.0208	0.66 ± 0.165	0.196	101	0.04
Diazepam	µg/l	0.544 ± 0.0272	0.546 ± 0.137	0.0381	100	0.05
Diclofenac	µg/l	0.913 ± 0.106	0.969 ± 0.242	0.21	106	0.26
Ibuprofen	µg/l	0.948 ± 0.0866	0.922 ± 0.231	0.133	97.2	-0.20
Iopamidol	µg/l	1.95 ± 0.125	2.02 ± 0.505	0.449	104	0.15
Metoprolol	µg/l	0.365 ± 0.0196	0.317 ± 0.079	0.0729	86.9	-0.65
Saccharin	µg/l	- ± -	1.04 ± 0.26	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.479 ± 0.12	0.0937	112	0.57
Sucralose	µg/l	2.93 ± 0.216	2.71 ± 0.678	0.878	92.6	-0.25
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.21 ± 0.053	0.023	110	0.81

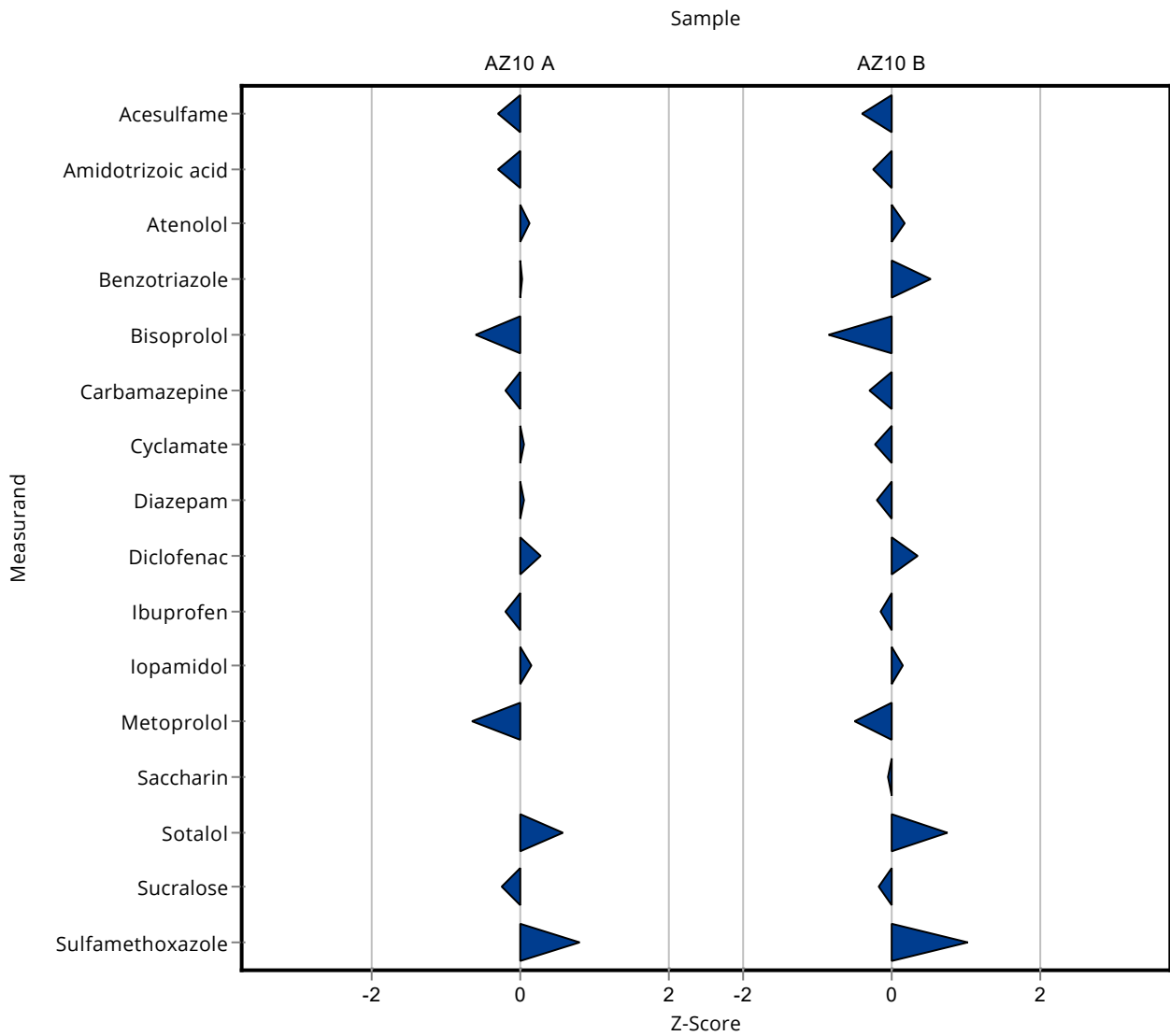
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	3.82 ± 0.955	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	5.76 ± 1.44	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	- ± -	0.207	-	-
Acesulfame	µg/l	0.884 ± 0.0932	0.822 ± 0.206	0.15	93	-0.41
Amidotrizoic acid	µg/l	3.18 ± 0.268	2.97 ± 0.743	0.794	93.5	-0.26
Atenolol	µg/l	1.05 ± 0.052	1.1 ± 0.275	0.263	104	0.17
Benzotriazole	µg/l	7.74 ± 0.325	8.22 ± 2.06	0.929	106	0.51
Bisoprolol	µg/l	1.88 ± 0.267	1.61 ± 0.403	0.32	85.6	-0.85
Carbamazepine	µg/l	0.925 ± 0.0475	0.889 ± 0.222	0.12	96.2	-0.30

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0005

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	0.397 ± 0.099	0.128	93	-0.23
Diazepam	µg/l	0.275 ± 0.0192	0.269 ± 0.067	0.0275	97.9	-0.21
Diclofenac	µg/l	4.07 ± 0.211	4.26 ± 1.065	0.569	105	0.34
Ibuprofen	µg/l	2.26 ± 0.124	2.23 ± 0.558	0.204	98.6	-0.15
Iopamidol	µg/l	40 ± 4.79	41.3 ± 10.3	9.19	103	0.15
Metoprolol	µg/l	0.937 ± 0.106	0.833 ± 0.208	0.206	88.9	-0.50
Saccharin	µg/l	1.02 ± 0.091	1.01 ± 0.253	0.224	99.1	-0.04
Sotalol	µg/l	1.9 ± 0.148	2.21 ± 0.553	0.417	116	0.75
Sucralose	µg/l	26 ± 1.99	24.6 ± 6.15	7.81	94.5	-0.18
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.478 ± 0.12	0.0511	112	1.02



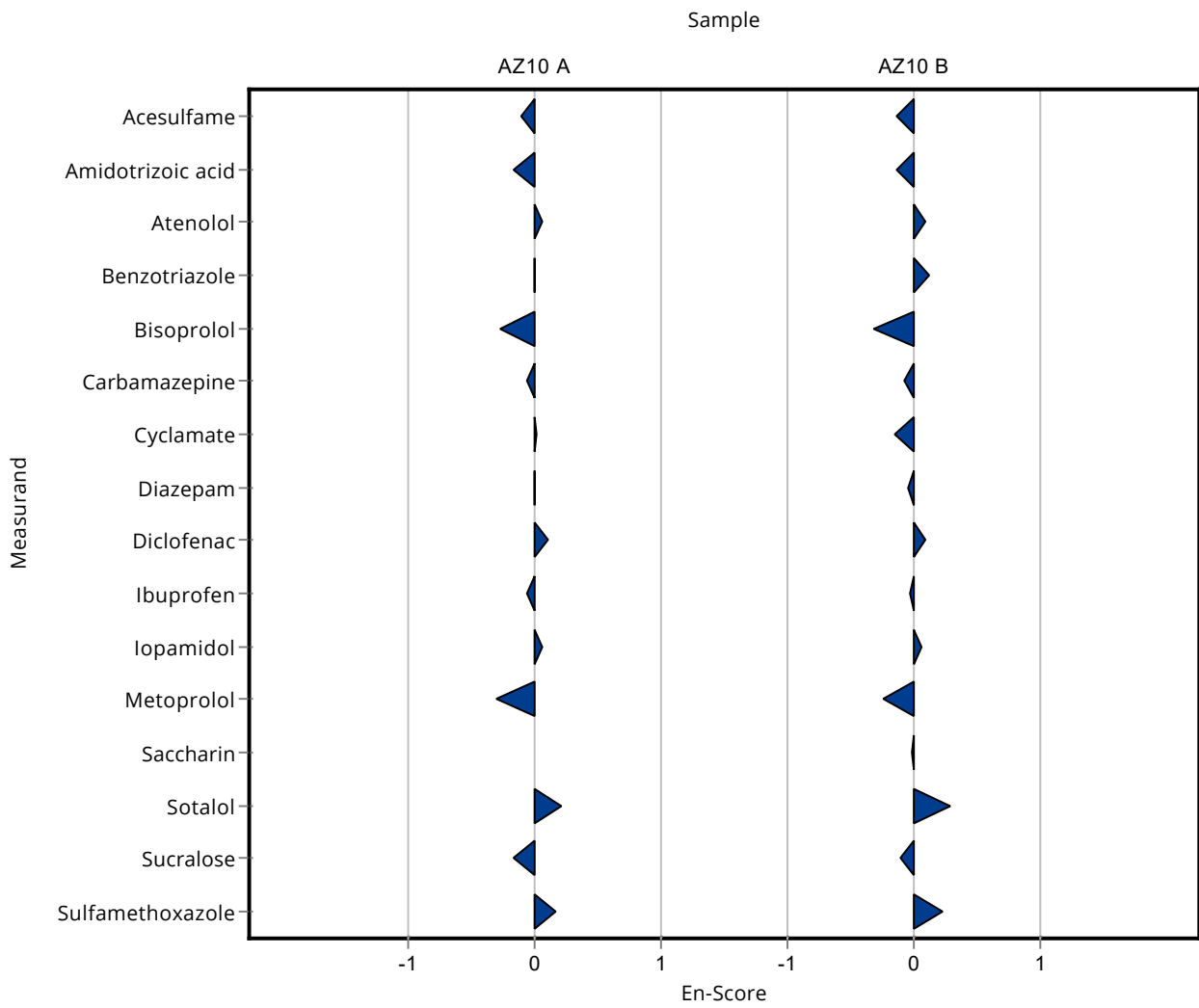
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.549 ± 0.137	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.248 ± 0.062	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	0.873 ± 0.218	0.156	95.1	-0.10
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.01 ± 0.503	0.544	92.4	-0.16
Atenolol	µg/l	0.869 ± 0.031	0.896 ± 0.224	0.217	103	0.06
Benzotriazole	µg/l	0.399 ± 0.0132	0.4 ± 0.1	0.0479	100	0.00
Bisoprolol	µg/l	1.12 ± 0.196	0.978 ± 0.245	0.235	87.4	-0.27
Carbamazepine	µg/l	0.821 ± 0.0231	0.8 ± 0.2	0.107	97.5	-0.05
Cyclamate	µg/l	0.652 ± 0.0208	0.66 ± 0.165	0.196	101	0.02
Diazepam	µg/l	0.544 ± 0.0272	0.546 ± 0.137	0.0381	100	0.01
Diclofenac	µg/l	0.913 ± 0.106	0.969 ± 0.242	0.21	106	0.11
Ibuprofen	µg/l	0.948 ± 0.0866	0.922 ± 0.231	0.133	97.2	-0.06
Iopamidol	µg/l	1.95 ± 0.125	2.02 ± 0.505	0.449	104	0.07
Metoprolol	µg/l	0.365 ± 0.0196	0.317 ± 0.079	0.0729	86.9	-0.30
Saccharin	µg/l	- ± -	1.04 ± 0.26	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.479 ± 0.12	0.0937	112	0.22
Sucralose	µg/l	2.93 ± 0.216	2.71 ± 0.678	0.878	92.6	-0.16
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.21 ± 0.053	0.023	110	0.17

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	3.82 ± 0.955	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	5.76 ± 1.44	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	- ± -	0.207	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score	En-Score [%]
Dihydroxycarbamazepine						
Acesulfame	µg/l	0.884 ± 0.0932	0.822 ± 0.206	0.15	93	-0.15
Amidotrizoic acid	µg/l	3.18 ± 0.268	2.97 ± 0.743	0.794	93.5	-0.14
Atenolol	µg/l	1.05 ± 0.052	1.1 ± 0.275	0.263	104	0.08
Benzotriazole	µg/l	7.74 ± 0.325	8.22 ± 2.06	0.929	106	0.12
Bisoprolol	µg/l	1.88 ± 0.267	1.61 ± 0.403	0.32	85.6	-0.32
Carbamazepine	µg/l	0.925 ± 0.0475	0.889 ± 0.222	0.12	96.2	-0.08
Cyclamate	µg/l	0.427 ± 0.0408	0.397 ± 0.099	0.128	93	-0.15
Diazepam	µg/l	0.275 ± 0.0192	0.269 ± 0.067	0.0275	97.9	-0.04
Diclofenac	µg/l	4.07 ± 0.211	4.26 ± 1.065	0.569	105	0.09
Ibuprofen	µg/l	2.26 ± 0.124	2.23 ± 0.558	0.204	98.6	-0.03
Iopamidol	µg/l	40 ± 4.79	41.3 ± 10.3	9.19	103	0.06
Metoprolol	µg/l	0.937 ± 0.106	0.833 ± 0.208	0.206	88.9	-0.24
Saccharin	µg/l	1.02 ± 0.091	1.01 ± 0.253	0.224	99.1	-0.02
Sotalol	µg/l	1.9 ± 0.148	2.21 ± 0.553	0.417	116	0.28
Sucralose	µg/l	26 ± 1.99	24.6 ± 6.15	7.81	94.5	-0.11
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.478 ± 0.12	0.0511	112	0.22



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Labcode: LC0006

Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.5302 ± 0.1325	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	0.9196 ± 0.2299	0.156	100	0.01
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.0186 ± 0.5046	0.544	92.8	-0.29
Atenolol	µg/l	0.869 ± 0.031	0.9202 ± 0.23	0.217	106	0.23
Benzotriazole	µg/l	0.399 ± 0.0132	0.4019 ± 0.1005	0.0479	101	0.06
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.7012 ± 0.1753	0.107	85.5	-1.12
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	1.0027 ± 0.2507	0.21	110	0.42
Ibuprofen	µg/l	0.948 ± 0.0866	0.8677 ± 0.2169	0.133	91.5	-0.61
Iopamidol	µg/l	1.95 ± 0.125	- ± -	0.449	-	-
Metoprolol	µg/l	0.365 ± 0.0196	0.3487 ± 0.0872	0.0729	95.6	-0.22
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.4115 ± 0.1029	0.0937	96.6	-0.15
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.1618 ± 0.0405	0.023	84.5	-1.29

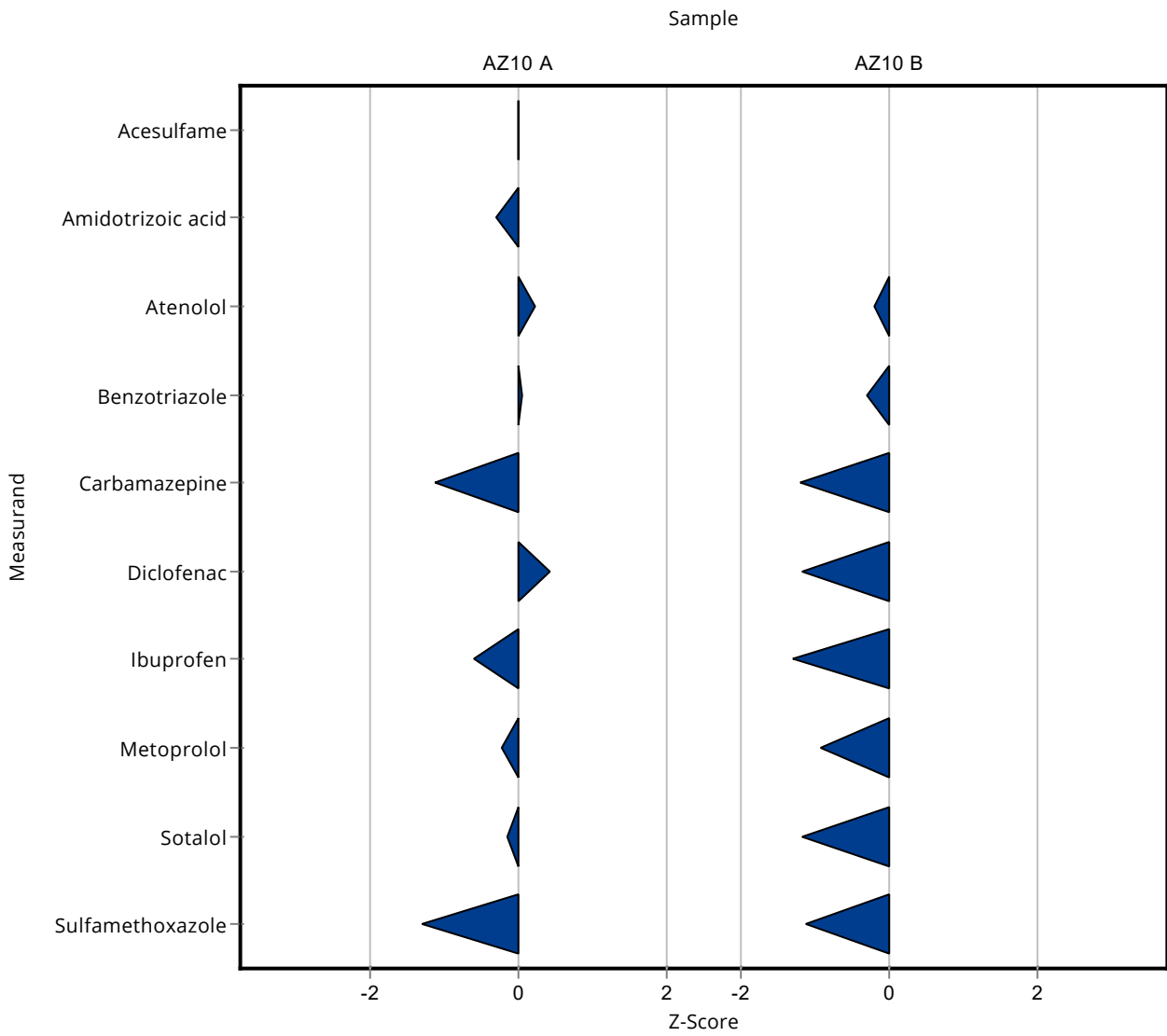
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	3.1445 ± 0.4715	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	- ± -	0.207	-	-
Acesulfame	µg/l	0.884 ± 0.0932	- ± -	0.15	-	-
Amidotrizoic acid	µg/l	3.18 ± 0.268	- ± -	0.794	-	-
Atenolol	µg/l	1.05 ± 0.052	1.004 ± 0.251	0.263	95.3	-0.19
Benzotriazole	µg/l	7.74 ± 0.325	7.463 ± 1.8655	0.929	96.4	-0.30
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.781 ± 0.1565	0.12	84.5	-1.19

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0006

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-	-
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	3.3955 ± 0.8485	0.569	83.5	-1.18
Ibuprofen	µg/l	2.26 ± 0.124	1.9965 ± 0.699	0.204	88.3	-1.30
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-	-
Metoprolol	µg/l	0.937 ± 0.106	0.7445 ± 0.186	0.206	79.5	-0.93
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	1.412 ± 0.353	0.417	74.4	-1.16
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.369 ± 0.0735	0.0511	86.6	-1.11



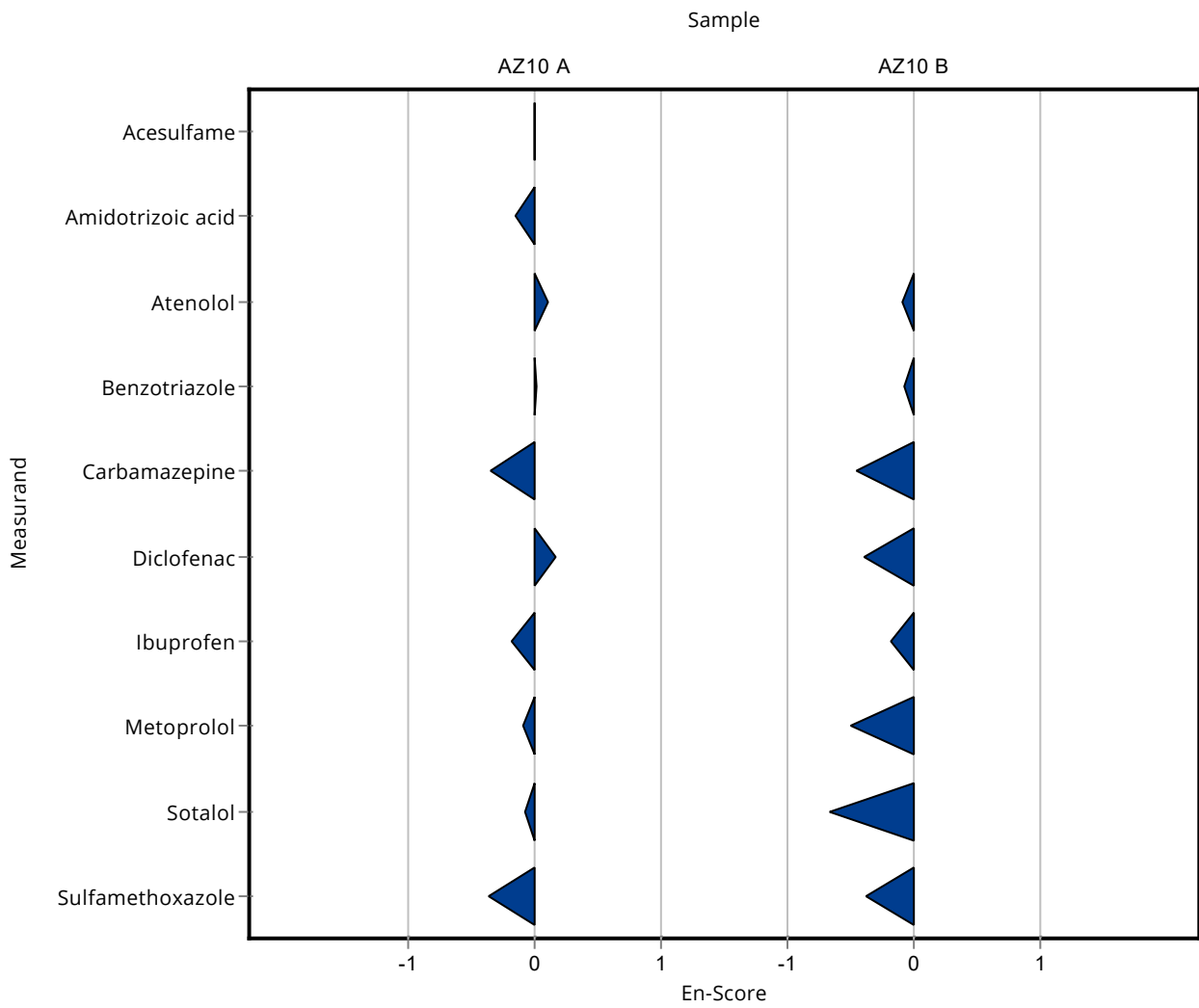
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.5302 ± 0.1325	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	0.9196 ± 0.2299	0.156	100	0.00
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.0186 ± 0.5046	0.544	92.8	-0.15
Atenolol	µg/l	0.869 ± 0.031	0.9202 ± 0.23	0.217	106	0.11
Benzotriazole	µg/l	0.399 ± 0.0132	0.4019 ± 0.1005	0.0479	101	0.01
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.7012 ± 0.1753	0.107	85.5	-0.34
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	1.0027 ± 0.2507	0.21	110	0.17
Ibuprofen	µg/l	0.948 ± 0.0866	0.8677 ± 0.2169	0.133	91.5	-0.18
Iopamidol	µg/l	1.95 ± 0.125	- ± -	0.449	-	-
Metoprolol	µg/l	0.365 ± 0.0196	0.3487 ± 0.0872	0.0729	95.6	-0.09
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.4115 ± 0.1029	0.0937	96.6	-0.07
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.1618 ± 0.0405	0.023	84.5	-0.36

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	3.1445 ± 0.4715	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	- ± -	0.207	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Dihydroxycarbamazepine					
Acesulfame	µg/l	0.884 ± 0.0932	- ± -	0.15	-
Amidotrizoic acid	µg/l	3.18 ± 0.268	- ± -	0.794	-
Atenolol	µg/l	1.05 ± 0.052	1.004 ± 0.251	0.263	95.3
Benzotriazole	µg/l	7.74 ± 0.325	7.463 ± 1.8655	0.929	96.4
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.781 ± 0.1565	0.12	84.5
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-
Diclofenac	µg/l	4.07 ± 0.211	3.3955 ± 0.8485	0.569	83.5
Ibuprofen	µg/l	2.26 ± 0.124	1.9965 ± 0.699	0.204	88.3
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-
Metoprolol	µg/l	0.937 ± 0.106	0.7445 ± 0.186	0.206	79.5
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-
Sotalol	µg/l	1.9 ± 0.148	1.412 ± 0.353	0.417	74.4
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.369 ± 0.0735	0.0511	86.6



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Labcode: LC0007

Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	1.03 ± 0.207	0.156	112	0.71
Amidotrizoic acid	µg/l	2.18 ± 0.0987	1.83 ± 0.366	0.544	84.1	-0.64
Atenolol	µg/l	0.869 ± 0.031	0.871 ± 0.078	0.217	100	0.01
Benzotriazole	µg/l	0.399 ± 0.0132	0.384 ± 0.031	0.0479	96.2	-0.32
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.813 ± 0.089	0.107	99.1	-0.07
Cyclamate	µg/l	0.652 ± 0.0208	0.884 ± 0.106	0.196	136	1.19
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	0.412 ± 0.016	0.21	45.1	-2.39
Ibuprofen	µg/l	0.948 ± 0.0866	1.02 ± 0.204	0.133	108	0.54
Iopamidol	µg/l	1.95 ± 0.125	0.819 ± 0.164	0.449	42	-2.52
Metoprolol	µg/l	0.365 ± 0.0196	0.415 ± 0.037	0.0729	114	0.69
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.384 ± 0.062	0.0937	90.2	-0.45
Sucralose	µg/l	2.93 ± 0.216	1.53 ± 0.123	0.878	52.3	-1.59
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.188 ± 0.026	0.023	98.2	-0.15

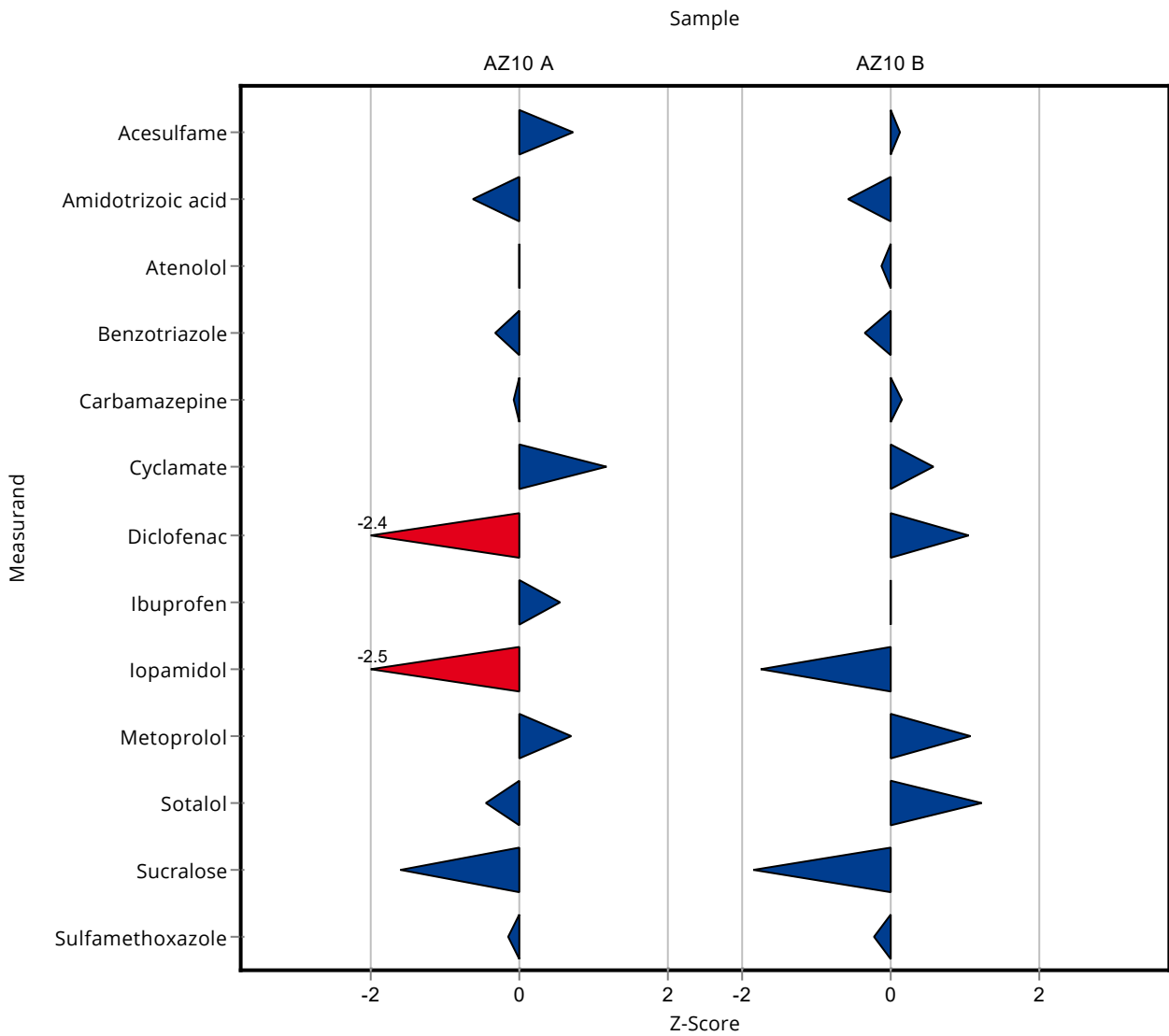
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	- ± -	0.207	-	-
Acesulfame	µg/l	0.884 ± 0.0932	0.902 ± 0.18	0.15	102	0.12
Amidotrizoic acid	µg/l	3.18 ± 0.268	2.72 ± 0.544	0.794	85.6	-0.57
Atenolol	µg/l	1.05 ± 0.052	1.02 ± 0.092	0.263	96.8	-0.13
Benzotriazole	µg/l	7.74 ± 0.325	7.41 ± 0.593	0.929	95.7	-0.36
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.944 ± 0.104	0.12	102	0.16

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0007

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	0.501 ± 0.045	0.128	117	0.58
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	4.66 ± 0.186	0.569	115	1.04
Ibuprofen	µg/l	2.26 ± 0.124	2.26 ± 0.451	0.204	99.9	-0.01
Iopamidol	µg/l	40 ± 4.79	23.8 ± 4.76	9.19	59.6	-1.76
Metoprolol	µg/l	0.937 ± 0.106	1.16 ± 0.092	0.206	124	1.08
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	2.41 ± 0.386	0.417	127	1.23
Sucralose	µg/l	26 ± 1.99	11.6 ± 1.16	7.81	44.6	-1.85
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.414 ± 0.041	0.0511	97.2	-0.23



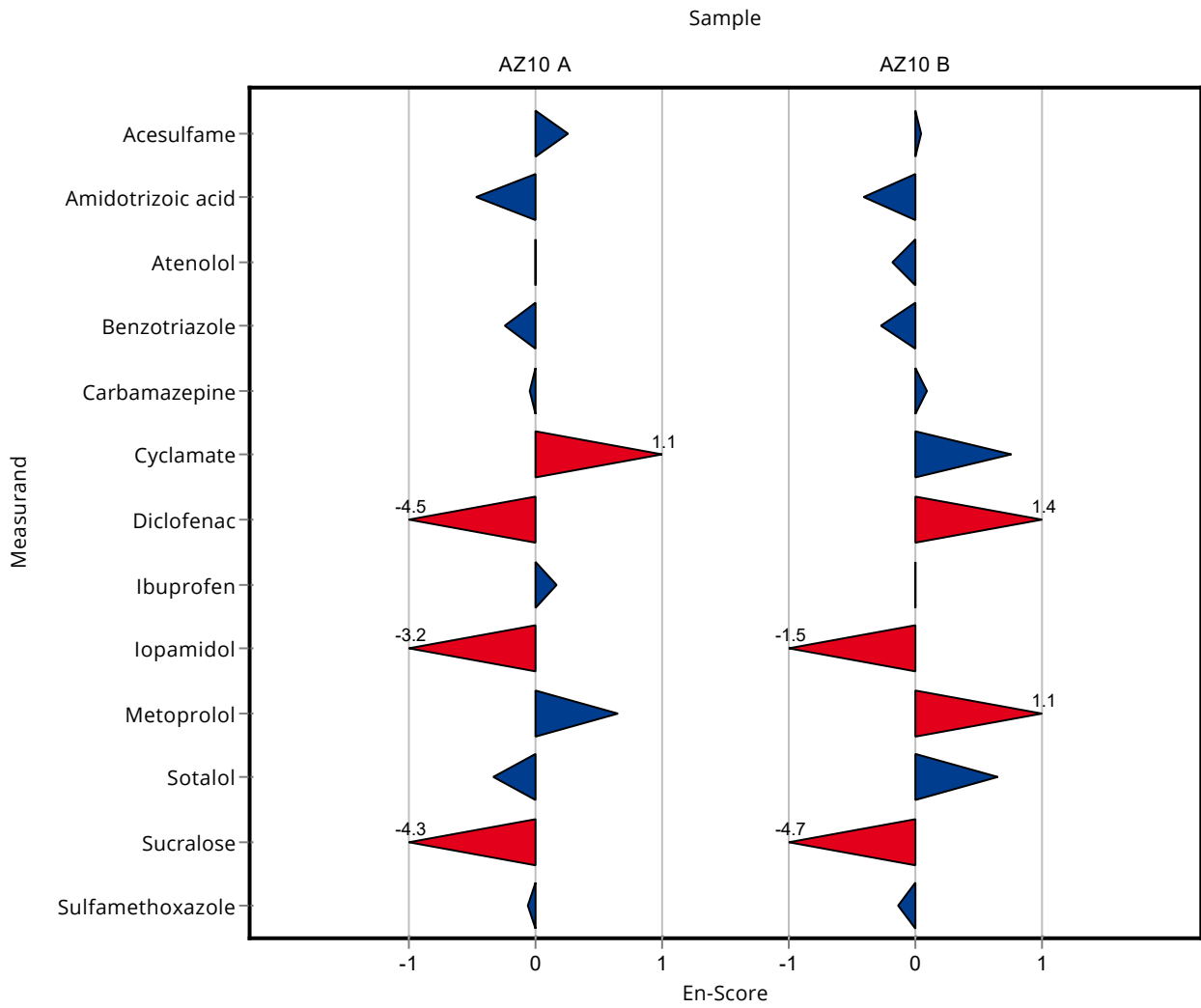
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	1.03 ± 0.207	0.156	112	0.27
Amidotrizoic acid	µg/l	2.18 ± 0.0987	1.83 ± 0.366	0.544	84.1	-0.47
Atenolol	µg/l	0.869 ± 0.031	0.871 ± 0.078	0.217	100	0.01
Benzotriazole	µg/l	0.399 ± 0.0132	0.384 ± 0.031	0.0479	96.2	-0.24
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.813 ± 0.089	0.107	99.1	-0.04
Cyclamate	µg/l	0.652 ± 0.0208	0.884 ± 0.106	0.196	136	1.09
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	0.412 ± 0.016	0.21	45.1	-4.51
Ibuprofen	µg/l	0.948 ± 0.0866	1.02 ± 0.204	0.133	108	0.17
Iopamidol	µg/l	1.95 ± 0.125	0.819 ± 0.164	0.449	42	-3.23
Metoprolol	µg/l	0.365 ± 0.0196	0.415 ± 0.037	0.0729	114	0.66
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.384 ± 0.062	0.0937	90.2	-0.33
Sucralose	µg/l	2.93 ± 0.216	1.53 ± 0.123	0.878	52.3	-4.27
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.188 ± 0.026	0.023	98.2	-0.06

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	- ± -	0.207	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score	En-Score [%]
Dihydroxycarbamazepine						
Acesulfame	µg/l	0.884 ± 0.0932	0.902 ± 0.18	0.15	102	0.05
Amidotrizoic acid	µg/l	3.18 ± 0.268	2.72 ± 0.544	0.794	85.6	-0.41
Atenolol	µg/l	1.05 ± 0.052	1.02 ± 0.092	0.263	96.8	-0.18
Benzotriazole	µg/l	7.74 ± 0.325	7.41 ± 0.593	0.929	95.7	-0.27
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.944 ± 0.104	0.12	102	0.09
Cyclamate	µg/l	0.427 ± 0.0408	0.501 ± 0.045	0.128	117	0.75
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	4.66 ± 0.186	0.569	115	1.39
Ibuprofen	µg/l	2.26 ± 0.124	2.26 ± 0.451	0.204	99.9	0.00
Iopamidol	µg/l	40 ± 4.79	23.8 ± 4.76	9.19	59.6	-1.52
Metoprolol	µg/l	0.937 ± 0.106	1.16 ± 0.092	0.206	124	1.05
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	2.41 ± 0.386	0.417	127	0.65
Sucralose	µg/l	26 ± 1.99	11.6 ± 1.16	7.81	44.6	-4.72
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.414 ± 0.041	0.0511	97.2	-0.14



Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	0.643 ± 0.193	0.0965	127	1.40
Acesulfame	µg/l	0.918 ± 0.0628	0.723 ± 0.145	0.156	78.7	-1.25
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.205 ± 0.551	0.544	101	0.05
Atenolol	µg/l	0.869 ± 0.031	1.08 ± 0.378	0.217	124	0.97
Benzotriazole	µg/l	0.399 ± 0.0132	0.356 ± 0.071	0.0479	89.2	-0.90
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.75 ± 0.15	0.107	91.4	-0.66
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	1.212 ± 0.303	0.21	133	1.42
Ibuprofen	µg/l	0.948 ± 0.0866	0.787 ± 0.236	0.133	83	-1.22
Iopamidol	µg/l	1.95 ± 0.125	- ± -	0.449	-	-
Metoprolol	µg/l	0.365 ± 0.0196	0.427 ± 0.085	0.0729	117	0.86
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.453 ± 0.091	0.0937	106	0.29
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.182 ± 0.036	0.023	95.1	-0.41

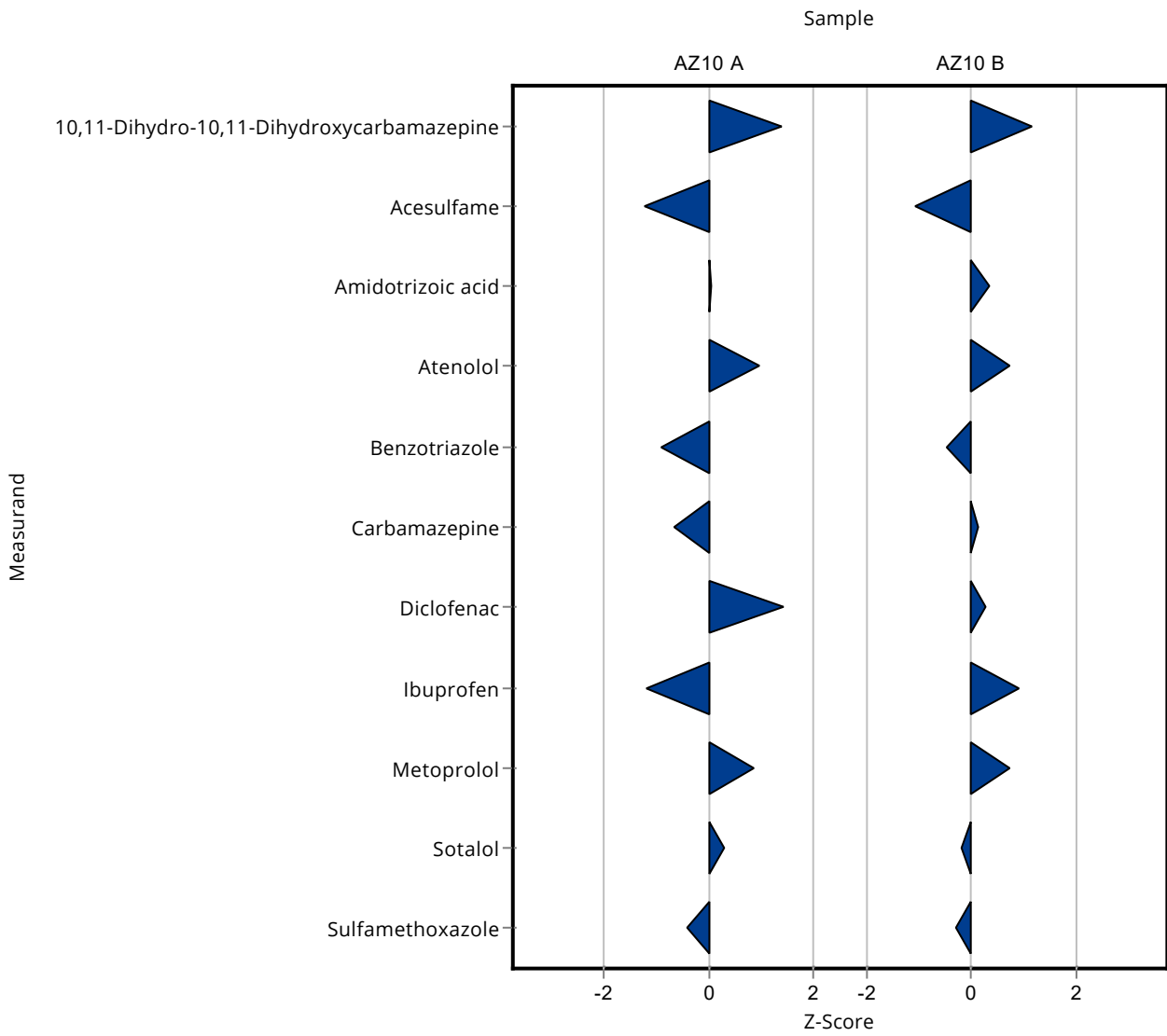
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	1.625 ± 0.487	0.207	118	1.17
Acesulfame	µg/l	0.884 ± 0.0932	0.723 ± 0.145	0.15	81.8	-1.07
Amidotrizoic acid	µg/l	3.18 ± 0.268	3.441 ± 0.86	0.794	108	0.33
Atenolol	µg/l	1.05 ± 0.052	1.251 ± 0.438	0.263	119	0.75
Benzotriazole	µg/l	7.74 ± 0.325	7.323 ± 1.465	0.929	94.6	-0.45
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.942 ± 0.188	0.12	102	0.14

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0008

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-	-
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	4.223 ± 1.056	0.569	104	0.27
Ibuprofen	µg/l	2.26 ± 0.124	2.449 ± 0.735	0.204	108	0.92
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-	-
Metoprolol	µg/l	0.937 ± 0.106	1.086 ± 0.217	0.206	116	0.73
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	1.829 ± 0.366	0.417	96.4	-0.16
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.411 ± 0.082	0.0511	96.5	-0.29



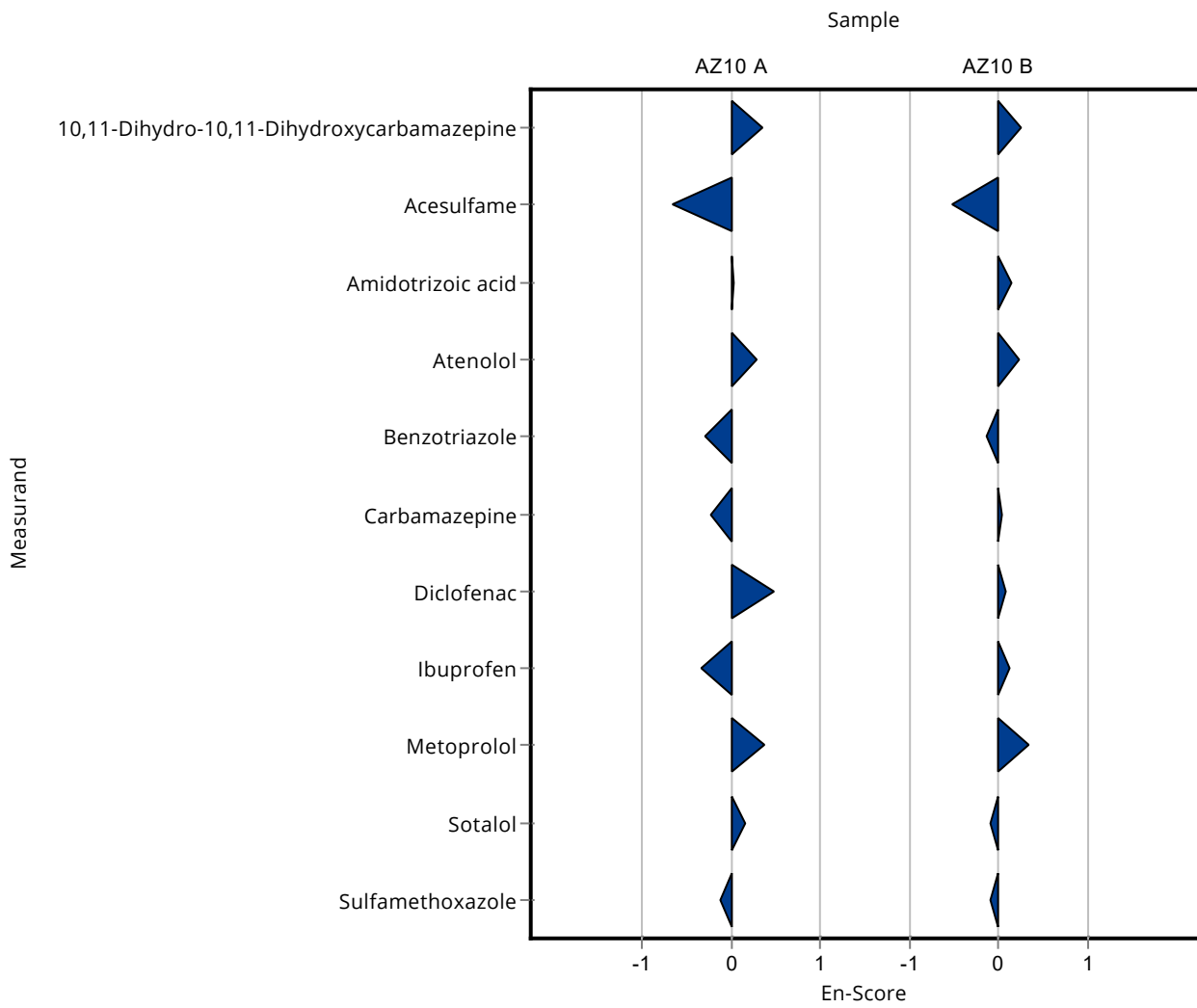
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	0.643 ± 0.193	0,0965	127	0.34
Acesulfame	µg/l	0.918 ± 0.0628	0.723 ± 0.145	0,156	78.7	-0.66
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.205 ± 0.551	0,544	101	0.03
Atenolol	µg/l	0.869 ± 0.031	1.08 ± 0.378	0,217	124	0.28
Benzotriazole	µg/l	0.399 ± 0.0132	0.356 ± 0.071	0,0479	89.2	-0.30
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0,235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.75 ± 0.15	0,107	91.4	-0.23
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0,196	-	-
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0,0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	1.212 ± 0.303	0,21	133	0.49
Ibuprofen	µg/l	0.948 ± 0.0866	0.787 ± 0.236	0,133	83	-0.34
Iopamidol	µg/l	1.95 ± 0.125	- ± -	0,449	-	-
Metoprolol	µg/l	0.365 ± 0.0196	0.427 ± 0.085	0,0729	117	0.36
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.453 ± 0.091	0,0937	106	0.15
Sucralose	µg/l	2.93 ± 0.216	- ± -	0,878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.182 ± 0.036	0,023	95.1	-0.13

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	1.625 ± 0.487	0,207	118	0.25

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score	En-Score [%]
Dihydroxycarbamazepine						
Acesulfame	µg/l	0.884 ± 0.0932	0.723 ± 0.145	0.15	81.8	-0.53
Amidotrizoic acid	µg/l	3.18 ± 0.268	3.441 ± 0.86	0.794	108	0.15
Atenolol	µg/l	1.05 ± 0.052	1.251 ± 0.438	0.263	119	0.22
Benzotriazole	µg/l	7.74 ± 0.325	7.323 ± 1.465	0.929	94.6	-0.14
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.942 ± 0.188	0.12	102	0.05
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-	-
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	4.223 ± 1.056	0.569	104	0.07
Ibuprofen	µg/l	2.26 ± 0.124	2.449 ± 0.735	0.204	108	0.13
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-	-
Metoprolol	µg/l	0.937 ± 0.106	1.086 ± 0.217	0.206	116	0.33
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	1.829 ± 0.366	0.417	96.4	-0.09
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.411 ± 0.082	0.0511	96.5	-0.09



Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	0.878 ± 0.09	0.156	95.6	-0.26
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.101 ± 0.63	0.544	96.6	-0.14
Atenolol	µg/l	0.869 ± 0.031	- ± -	0.217	-	-
Benzotriazole	µg/l	0.399 ± 0.0132	0.388 ± 0.04	0.0479	97.2	-0.23
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.825 ± 0.23	0.107	101	0.04
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	0.923 ± 0.15	0.21	101	0.05
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0.133	-	-
Iopamidol	µg/l	1.95 ± 0.125	1.526 ± 0.35	0.449	78.2	-0.95
Metoprolol	µg/l	0.365 ± 0.0196	- ± -	0.0729	-	-
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	- ± -	0.0937	-	-
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.195 ± 0.05	0.023	102	0.16

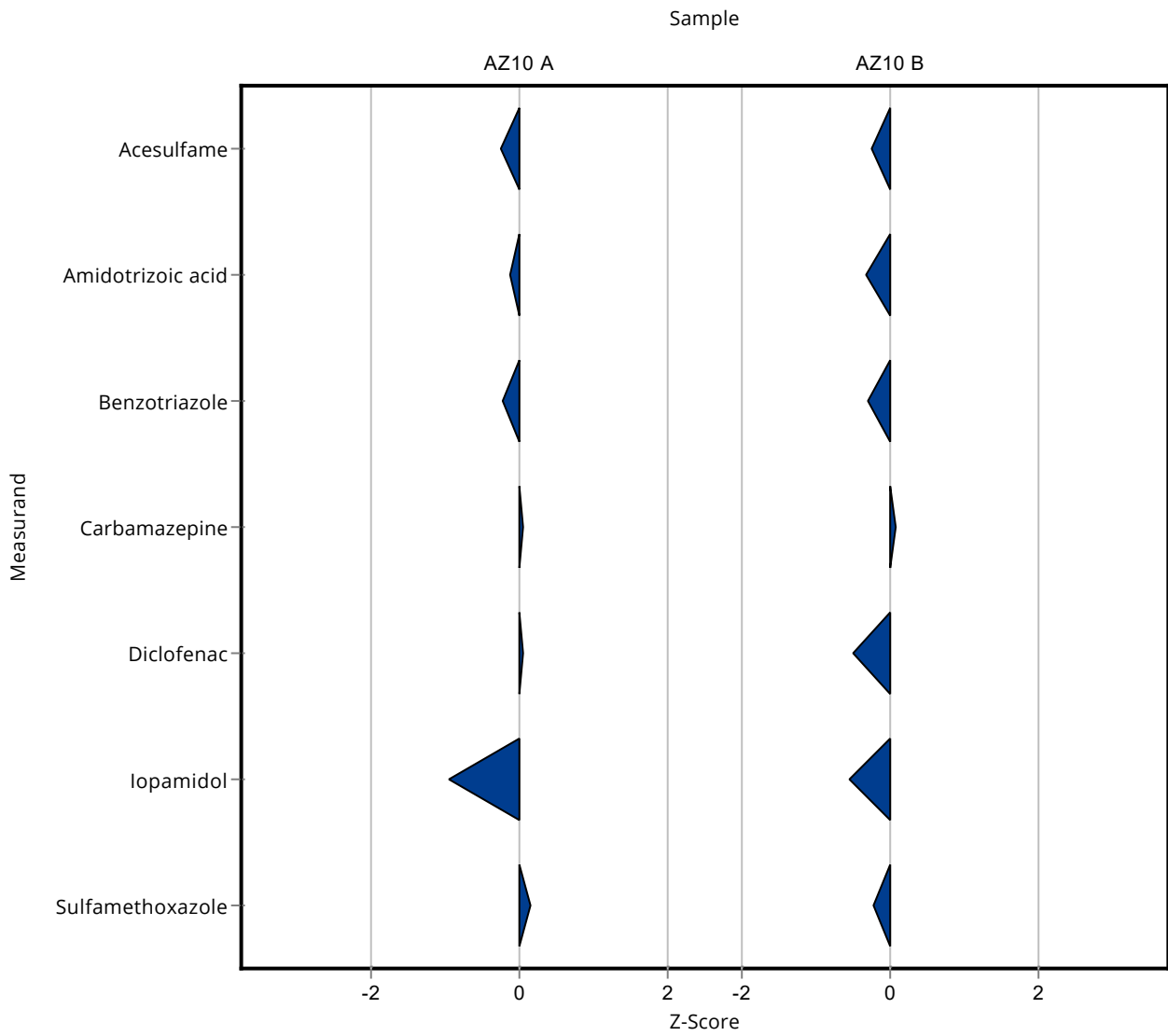
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	- ± -	0.207	-	-
Acesulfame	µg/l	0.884 ± 0.0932	0.848 ± 0.09	0.15	95.9	-0.24
Amidotrizoic acid	µg/l	3.18 ± 0.268	2.917 ± 0.88	0.794	91.8	-0.33
Atenolol	µg/l	1.05 ± 0.052	- ± -	0.263	-	-
Benzotriazole	µg/l	7.74 ± 0.325	7.463 ± 0.83	0.929	96.4	-0.30
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.935 ± 0.26	0.12	101	0.09

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0009

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-	-
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	3.784 ± 0.62	0.569	93	-0.50
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-	-
Iopamidol	µg/l	40 ± 4.79	34.83 ± 7.8	9.19	87.2	-0.56
Metoprolol	µg/l	0.937 ± 0.106	- ± -	0.206	-	-
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	- ± -	0.417	-	-
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.414 ± 0.11	0.0511	97.2	-0.23



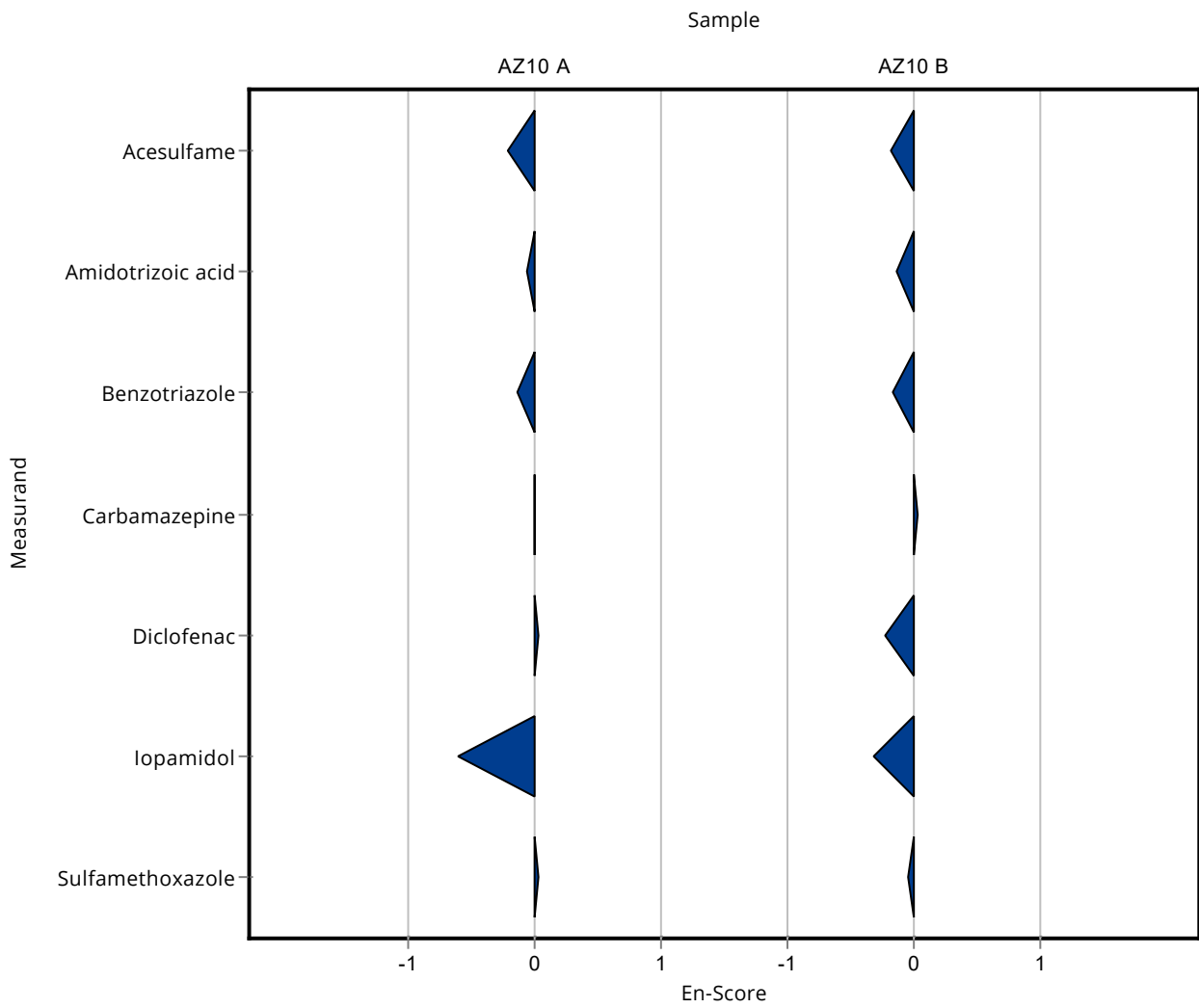
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	0.878 ± 0.09	0.156	95.6	-0.21
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.101 ± 0.63	0.544	96.6	-0.06
Atenolol	µg/l	0.869 ± 0.031	- ± -	0.217	-	-
Benzotriazole	µg/l	0.399 ± 0.0132	0.388 ± 0.04	0.0479	97.2	-0.14
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.825 ± 0.23	0.107	101	0.01
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	0.923 ± 0.15	0.21	101	0.03
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0.133	-	-
Iopamidol	µg/l	1.95 ± 0.125	1.526 ± 0.35	0.449	78.2	-0.60
Metoprolol	µg/l	0.365 ± 0.0196	- ± -	0.0729	-	-
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	- ± -	0.0937	-	-
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.195 ± 0.05	0.023	102	0.04

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	- ± -	0.207	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score	En-Score [%]
Dihydroxycarbamazepine						
Acesulfame	µg/l	0.884 ± 0.0932	0.848 ± 0.09	0.15	95.9	-0.18
Amidotrizoic acid	µg/l	3.18 ± 0.268	2.917 ± 0.88	0.794	91.8	-0.15
Atenolol	µg/l	1.05 ± 0.052	- ± -	0.263	-	-
Benzotriazole	µg/l	7.74 ± 0.325	7.463 ± 0.83	0.929	96.4	-0.17
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.935 ± 0.26	0.12	101	0.02
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-	-
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	3.784 ± 0.62	0.569	93	-0.22
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-	-
Iopamidol	µg/l	40 ± 4.79	34.83 ± 7.8	9.19	87.2	-0.31
Metoprolol	µg/l	0.937 ± 0.106	- ± -	0.206	-	-
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	- ± -	0.417	-	-
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.414 ± 0.11	0.0511	97.2	-0.05



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Labcode: LC0010

Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	1.2 ± 0.18	0.156	131	1.80
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.4 ± 0.72	0.544	110	0.41
Atenolol	µg/l	0.869 ± 0.031	0.8 ± 0.2	0.217	92	-0.32
Benzotriazole	µg/l	0.399 ± 0.0132	0.38 ± 0.076	0.0479	95.2	-0.40
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.68 ± 0.136	0.107	82.9	-1.32
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	0.74 ± 0.222	0.21	81	-0.83
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0.133	-	-
Iopamidol	µg/l	1.95 ± 0.125	2.3 ± 0.46	0.449	118	0.78
Metoprolol	µg/l	0.365 ± 0.0196	0.32 ± 0.064	0.0729	87.8	-0.61
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.37 ± 0.055	0.0937	86.9	-0.60
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.14 ± 0.021	0.023	73.1	-2.24

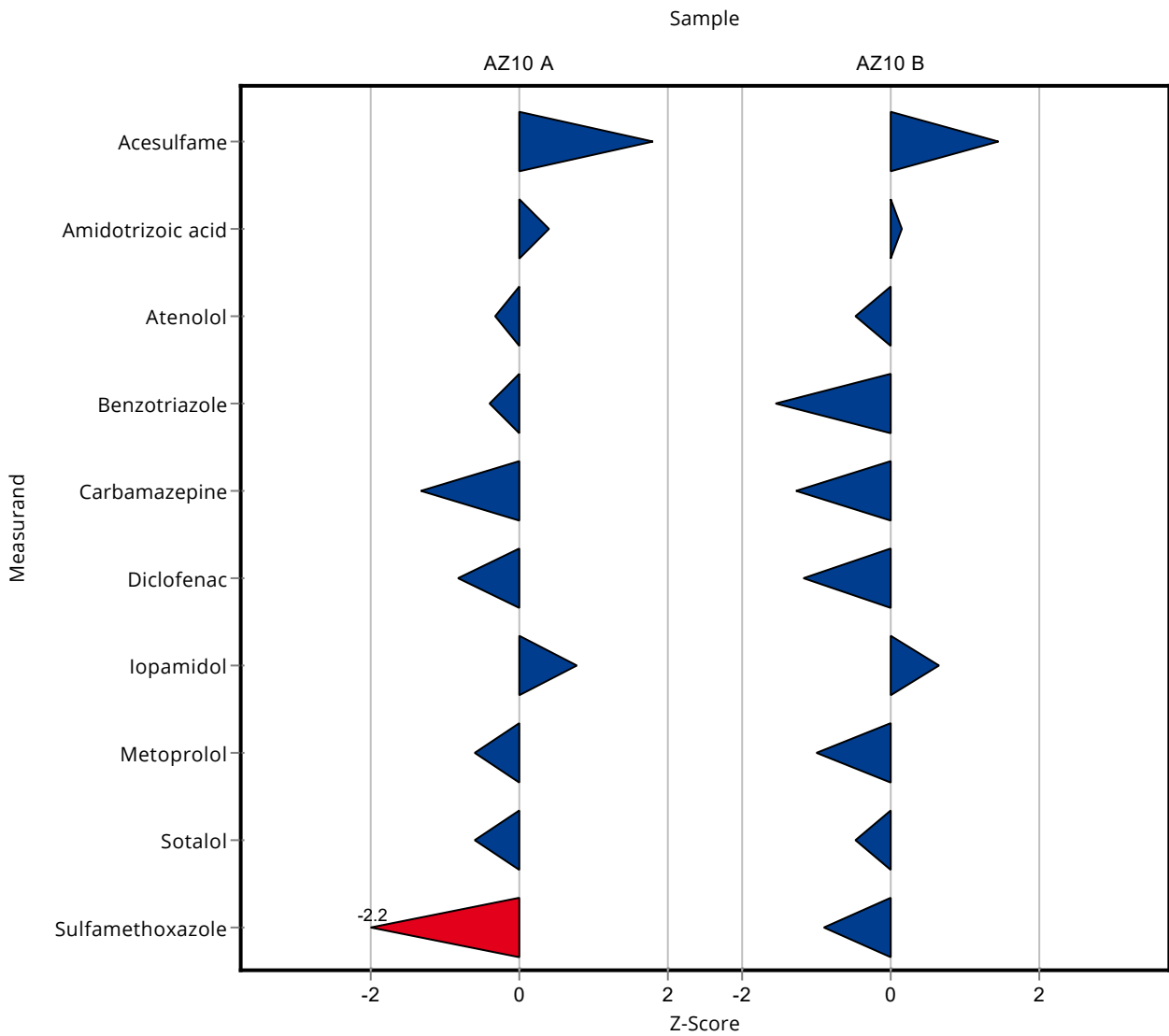
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	- ± -	0.207	-	-
Acesulfame	µg/l	0.884 ± 0.0932	1.1 ± 0.165	0.15	124	1.44
Amidotrizoic acid	µg/l	3.18 ± 0.268	3.3 ± 0.99	0.794	104	0.16
Atenolol	µg/l	1.05 ± 0.052	0.93 ± 0.232	0.263	88.2	-0.47
Benzotriazole	µg/l	7.74 ± 0.325	6.3 ± 1.575	0.929	81.4	-1.55
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.77 ± 0.154	0.12	83.3	-1.29

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0010

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-	-
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	3.4 ± 1.02	0.569	83.6	-1.17
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-	-
Iopamidol	µg/l	40 ± 4.79	46 ± 9.2	9.19	115	0.66
Metoprolol	µg/l	0.937 ± 0.106	0.73 ± 0.146	0.206	77.9	-1.00
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	1.7 ± 0.255	0.417	89.6	-0.47
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.38 ± 0.057	0.0511	89.2	-0.90



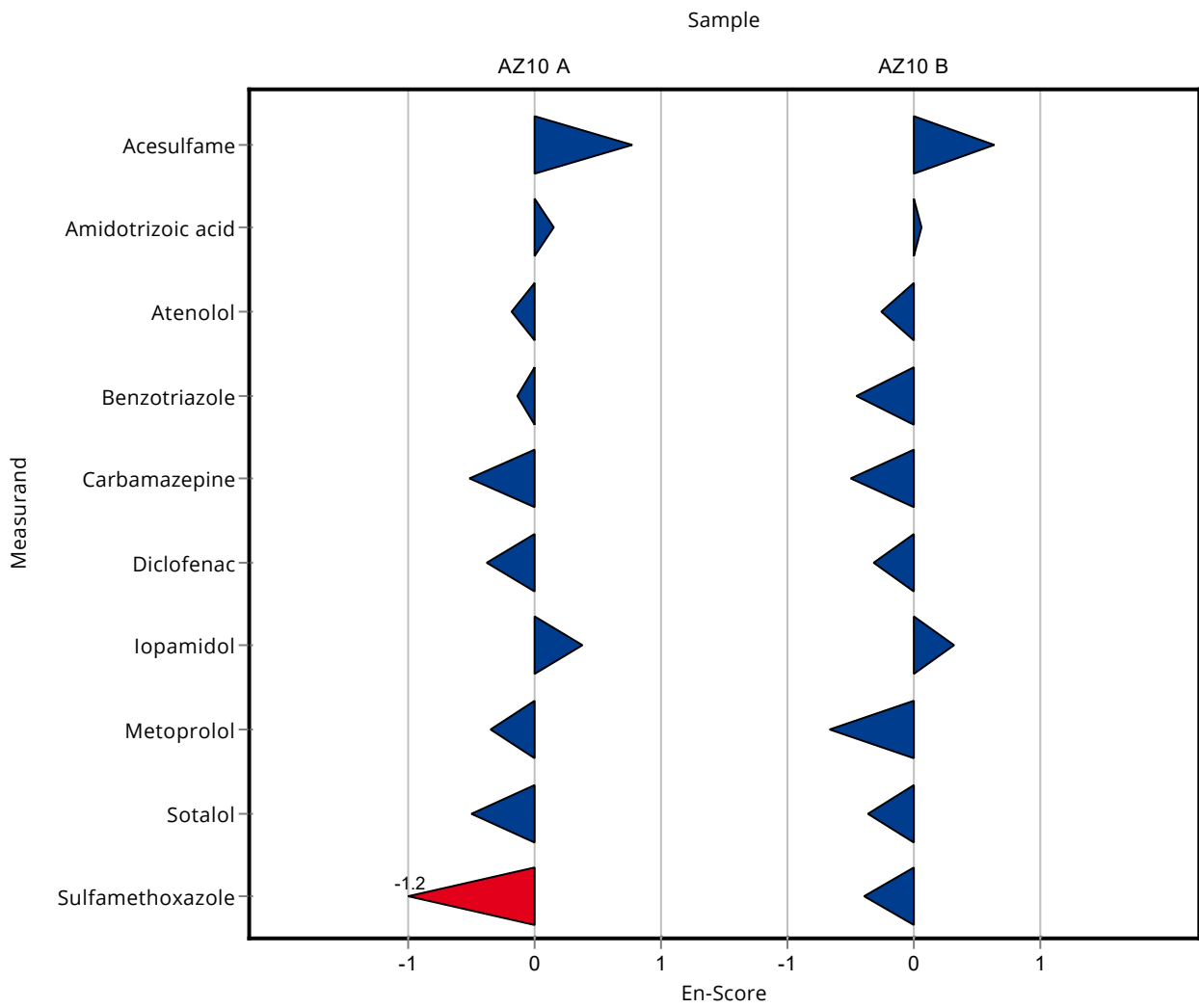
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	1.2 ± 0.18	0.156	131	0.77
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.4 ± 0.72	0.544	110	0.16
Atenolol	µg/l	0.869 ± 0.031	0.8 ± 0.2	0.217	92	-0.17
Benzotriazole	µg/l	0.399 ± 0.0132	0.38 ± 0.076	0.0479	95.2	-0.13
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.68 ± 0.136	0.107	82.9	-0.51
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	0.74 ± 0.222	0.21	81	-0.38
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0.133	-	-
Iopamidol	µg/l	1.95 ± 0.125	2.3 ± 0.46	0.449	118	0.38
Metoprolol	µg/l	0.365 ± 0.0196	0.32 ± 0.064	0.0729	87.8	-0.34
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.37 ± 0.055	0.0937	86.9	-0.50
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.14 ± 0.021	0.023	73.1	-1.19

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	- ± -	0.207	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score	En-Score [%]
Dihydroxycarbamazepine						
Acesulfame	µg/l	0.884 ± 0.0932	1.1 ± 0.165	0.15	124	0.63
Amidotrizoic acid	µg/l	3.18 ± 0.268	3.3 ± 0.99	0.794	104	0.06
Atenolol	µg/l	1.05 ± 0.052	0.93 ± 0.232	0.263	88.2	-0.27
Benzotriazole	µg/l	7.74 ± 0.325	6.3 ± 1.575	0.929	81.4	-0.46
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.77 ± 0.154	0.12	83.3	-0.50
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-	-
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	3.4 ± 1.02	0.569	83.6	-0.33
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-	-
Iopamidol	µg/l	40 ± 4.79	46 ± 9.2	9.19	115	0.32
Metoprolol	µg/l	0.937 ± 0.106	0.73 ± 0.146	0.206	77.9	-0.66
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	1.7 ± 0.255	0.417	89.6	-0.37
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.38 ± 0.057	0.0511	89.2	-0.40



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Labcode: LC0011

Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	- ± -	0.156	-	-
Amidotrizoic acid	µg/l	2.18 ± 0.0987	- ± -	0.544	-	-
Atenolol	µg/l	0.869 ± 0.031	- ± -	0.217	-	-
Benzotriazole	µg/l	0.399 ± 0.0132	- ± -	0.0479	-	-
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	- ± -	0.107	-	-
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	- ± -	0.21	-	-
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0.133	-	-
Iopamidol	µg/l	1.95 ± 0.125	- ± -	0.449	-	-
Metoprolol	µg/l	0.365 ± 0.0196	- ± -	0.0729	-	-
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	- ± -	0.0937	-	-
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	- ± -	0.023	-	-

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	- ± -	0.207	-	-
Acesulfame	µg/l	0.884 ± 0.0932	- ± -	0.15	-	-
Amidotrizoic acid	µg/l	3.18 ± 0.268	- ± -	0.794	-	-
Atenolol	µg/l	1.05 ± 0.052	- ± -	0.263	-	-
Benzotriazole	µg/l	7.74 ± 0.325	- ± -	0.929	-	-
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	- ± -	0.12	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0011

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-
Diclofenac	µg/l	4.07 ± 0.211	- ± -	0.569	-
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-
Metoprolol	µg/l	0.937 ± 0.106	- ± -	0.206	-
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-
Sotalol	µg/l	1.9 ± 0.148	- ± -	0.417	-
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	- ± -	0.0511	-

Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	- ± -	0.156	-	-
Amidotrizoic acid	µg/l	2.18 ± 0.0987	- ± -	0.544	-	-
Atenolol	µg/l	0.869 ± 0.031	- ± -	0.217	-	-
Benzotriazole	µg/l	0.399 ± 0.0132	- ± -	0.0479	-	-
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	- ± -	0.107	-	-
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	- ± -	0.21	-	-
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0.133	-	-
Iopamidol	µg/l	1.95 ± 0.125	- ± -	0.449	-	-
Metoprolol	µg/l	0.365 ± 0.0196	- ± -	0.0729	-	-
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	- ± -	0.0937	-	-
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	- ± -	0.023	-	-

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	- ± -	0.207	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Dihydroxycarbamazepine					
Acesulfame	µg/l	0.884 ± 0.0932	- ± -	0.15	-
Amidotrizoic acid	µg/l	3.18 ± 0.268	- ± -	0.794	-
Atenolol	µg/l	1.05 ± 0.052	- ± -	0.263	-
Benzotriazole	µg/l	7.74 ± 0.325	- ± -	0.929	-
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-
Carbamazepine	µg/l	0.925 ± 0.0475	- ± -	0.12	-
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-
Diclofenac	µg/l	4.07 ± 0.211	- ± -	0.569	-
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-
Metoprolol	µg/l	0.937 ± 0.106	- ± -	0.206	-
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-
Sotalol	µg/l	1.9 ± 0.148	- ± -	0.417	-
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	- ± -	0.0511	-

Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.54 ± 0.16	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.251 ± 0.075	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	0.522 ± 0.156	0.0965	103	0.15
Acesulfame	µg/l	0.918 ± 0.0628	0.931 ± 0.279	0.156	101	0.08
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.37 ± 0.712	0.544	109	0.36
Atenolol	µg/l	0.869 ± 0.031	0.871 ± 0.261	0.217	100	0.01
Benzotriazole	µg/l	0.399 ± 0.0132	0.392 ± 0.118	0.0479	98.2	-0.15
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.834 ± 0.25	0.107	102	0.13
Cyclamate	µg/l	0.652 ± 0.0208	0.683 ± 0.205	0.196	105	0.16
Diazepam	µg/l	0.544 ± 0.0272	0.593 ± 0.178	0.0381	109	1.29
Diclofenac	µg/l	0.913 ± 0.106	0.788 ± 0.237	0.21	86.3	-0.60
Ibuprofen	µg/l	0.948 ± 0.0866	0.919 ± 0.184	0.133	96.9	-0.22
Iopamidol	µg/l	1.95 ± 0.125	2.04 ± 0.611	0.449	105	0.20
Metoprolol	µg/l	0.365 ± 0.0196	0.409 ± 0.123	0.0729	112	0.61
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.409 ± 0.123	0.0937	96	-0.18
Sucralose	µg/l	2.93 ± 0.216	3.06 ± 0.917	0.878	105	0.15
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.194 ± 0.058	0.023	101	0.11

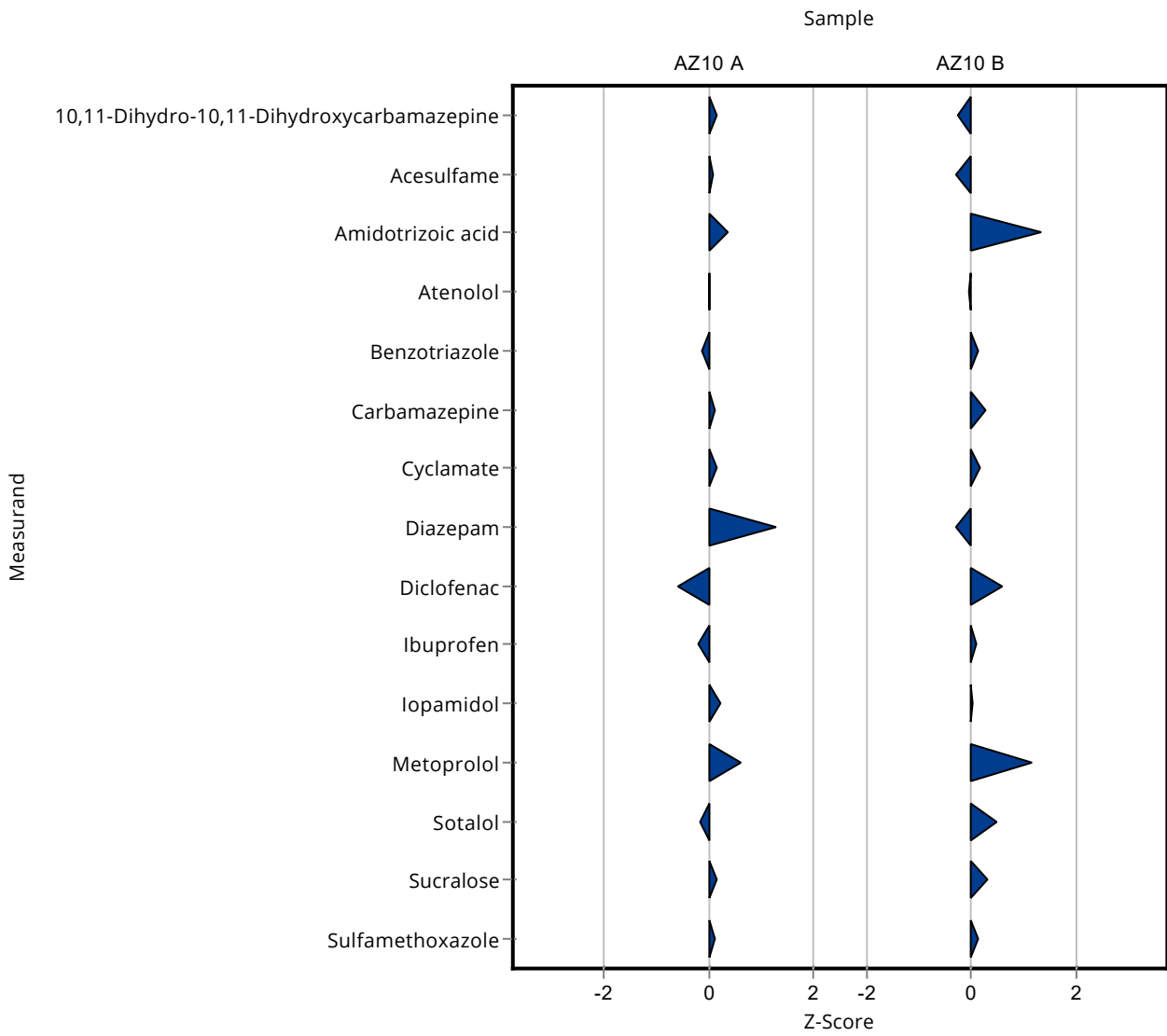
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	3.45 ± 1.04	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	5.69 ± 1.71	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	1.33 ± 0.399	0.207	96.3	-0.25
Acesulfame	µg/l	0.884 ± 0.0932	0.84 ± 0.252	0.15	95	-0.29
Amidotrizoic acid	µg/l	3.18 ± 0.268	4.24 ± 1.27	0.794	133	1.34
Atenolol	µg/l	1.05 ± 0.052	1.04 ± 0.312	0.263	98.7	-0.05
Benzotriazole	µg/l	7.74 ± 0.325	7.87 ± 2.36	0.929	102	0.14
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.958 ± 0.287	0.12	104	0.28

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0012

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	0.451 ± 0.135	0.128	106	0.19
Diazepam	µg/l	0.275 ± 0.0192	0.267 ± 0.08	0.0275	97.2	-0.28
Diclofenac	µg/l	4.07 ± 0.211	4.4 ± 1.32	0.569	108	0.59
Ibuprofen	µg/l	2.26 ± 0.124	2.28 ± 0.46	0.204	101	0.09
Iopamidol	µg/l	40 ± 4.79	40.2 ± 12.1	9.19	101	0.03
Metoprolol	µg/l	0.937 ± 0.106	1.18 ± 0.353	0.206	126	1.18
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	2.11 ± 0.634	0.417	111	0.51
Sucralose	µg/l	26 ± 1.99	28.4 ± 8.51	7.81	109	0.30
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.433 ± 0.13	0.0511	102	0.14



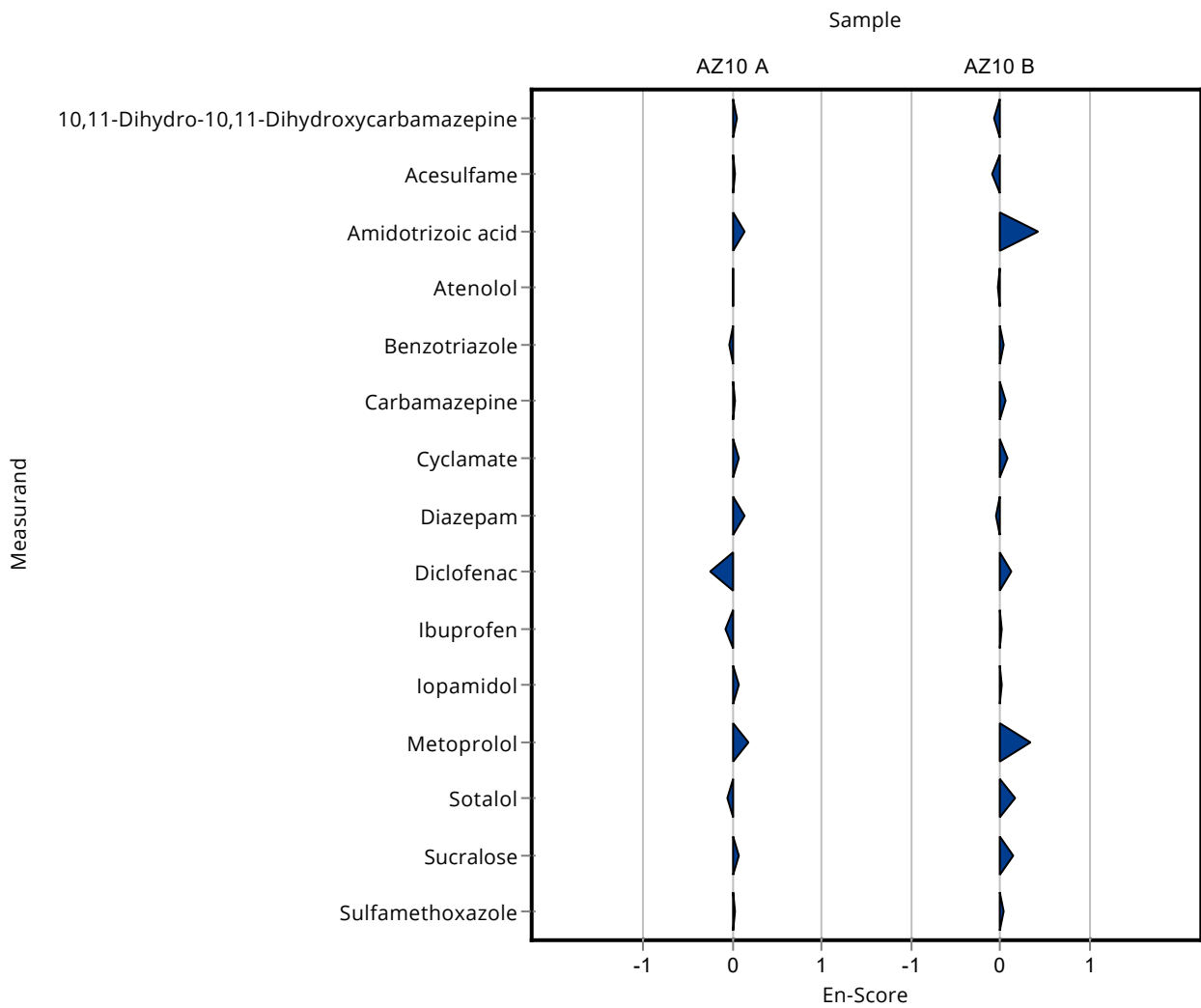
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.54 ± 0.16	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.251 ± 0.075	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	0.522 ± 0.156	0.0965	103	0.04
Acesulfame	µg/l	0.918 ± 0.0628	0.931 ± 0.279	0.156	101	0.02
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.37 ± 0.712	0.544	109	0.14
Atenolol	µg/l	0.869 ± 0.031	0.871 ± 0.261	0.217	100	0.00
Benzotriazole	µg/l	0.399 ± 0.0132	0.392 ± 0.118	0.0479	98.2	-0.03
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.834 ± 0.25	0.107	102	0.03
Cyclamate	µg/l	0.652 ± 0.0208	0.683 ± 0.205	0.196	105	0.08
Diazepam	µg/l	0.544 ± 0.0272	0.593 ± 0.178	0.0381	109	0.14
Diclofenac	µg/l	0.913 ± 0.106	0.788 ± 0.237	0.21	86.3	-0.26
Ibuprofen	µg/l	0.948 ± 0.0866	0.919 ± 0.184	0.133	96.9	-0.08
Iopamidol	µg/l	1.95 ± 0.125	2.04 ± 0.611	0.449	105	0.07
Metoprolol	µg/l	0.365 ± 0.0196	0.409 ± 0.123	0.0729	112	0.18
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.409 ± 0.123	0.0937	96	-0.07
Sucralose	µg/l	2.93 ± 0.216	3.06 ± 0.917	0.878	105	0.07
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.194 ± 0.058	0.023	101	0.02

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	3.45 ± 1.04	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	5.69 ± 1.71	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	1.33 ± 0.399	0.207	96.3	-0.06

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score	En-Score [%]
Dihydroxycarbamazepine						
Acesulfame	µg/l	0.884 ± 0.0932	0.84 ± 0.252	0.15	95	-0.09
Amidotrizoic acid	µg/l	3.18 ± 0.268	4.24 ± 1.27	0.794	133	0.42
Atenolol	µg/l	1.05 ± 0.052	1.04 ± 0.312	0.263	98.7	-0.02
Benzotriazole	µg/l	7.74 ± 0.325	7.87 ± 2.36	0.929	102	0.03
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.958 ± 0.287	0.12	104	0.06
Cyclamate	µg/l	0.427 ± 0.0408	0.451 ± 0.135	0.128	106	0.09
Diazepam	µg/l	0.275 ± 0.0192	0.267 ± 0.08	0.0275	97.2	-0.05
Diclofenac	µg/l	4.07 ± 0.211	4.4 ± 1.32	0.569	108	0.13
Ibuprofen	µg/l	2.26 ± 0.124	2.28 ± 0.46	0.204	101	0.02
Iopamidol	µg/l	40 ± 4.79	40.2 ± 12.1	9.19	101	0.01
Metoprolol	µg/l	0.937 ± 0.106	1.18 ± 0.353	0.206	126	0.34
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	2.11 ± 0.634	0.417	111	0.17
Sucralose	µg/l	26 ± 1.99	28.4 ± 8.51	7.81	109	0.14
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.433 ± 0.13	0.0511	102	0.03



Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	0.95 ± 0.29	0.156	103	0.20
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.17 ± 0.65	0.544	99.7	-0.01
Atenolol	µg/l	0.869 ± 0.031	0.85 ± 0.26	0.217	97.8	-0.09
Benzotriazole	µg/l	0.399 ± 0.0132	0.413 ± 0.12	0.0479	103	0.29
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.91 ± 0.27	0.107	111	0.84
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	1.05 ± 0.31	0.21	115	0.65
Ibuprofen	µg/l	0.948 ± 0.0866	0.925 ± 0.28	0.133	97.5	-0.18
Iopamidol	µg/l	1.95 ± 0.125	- ± -	0.449	-	-
Metoprolol	µg/l	0.365 ± 0.0196	0.34 ± 0.1	0.0729	93.3	-0.34
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.4 ± 0.12	0.0937	93.9	-0.28
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.22 ± 0.07	0.023	115	1.24

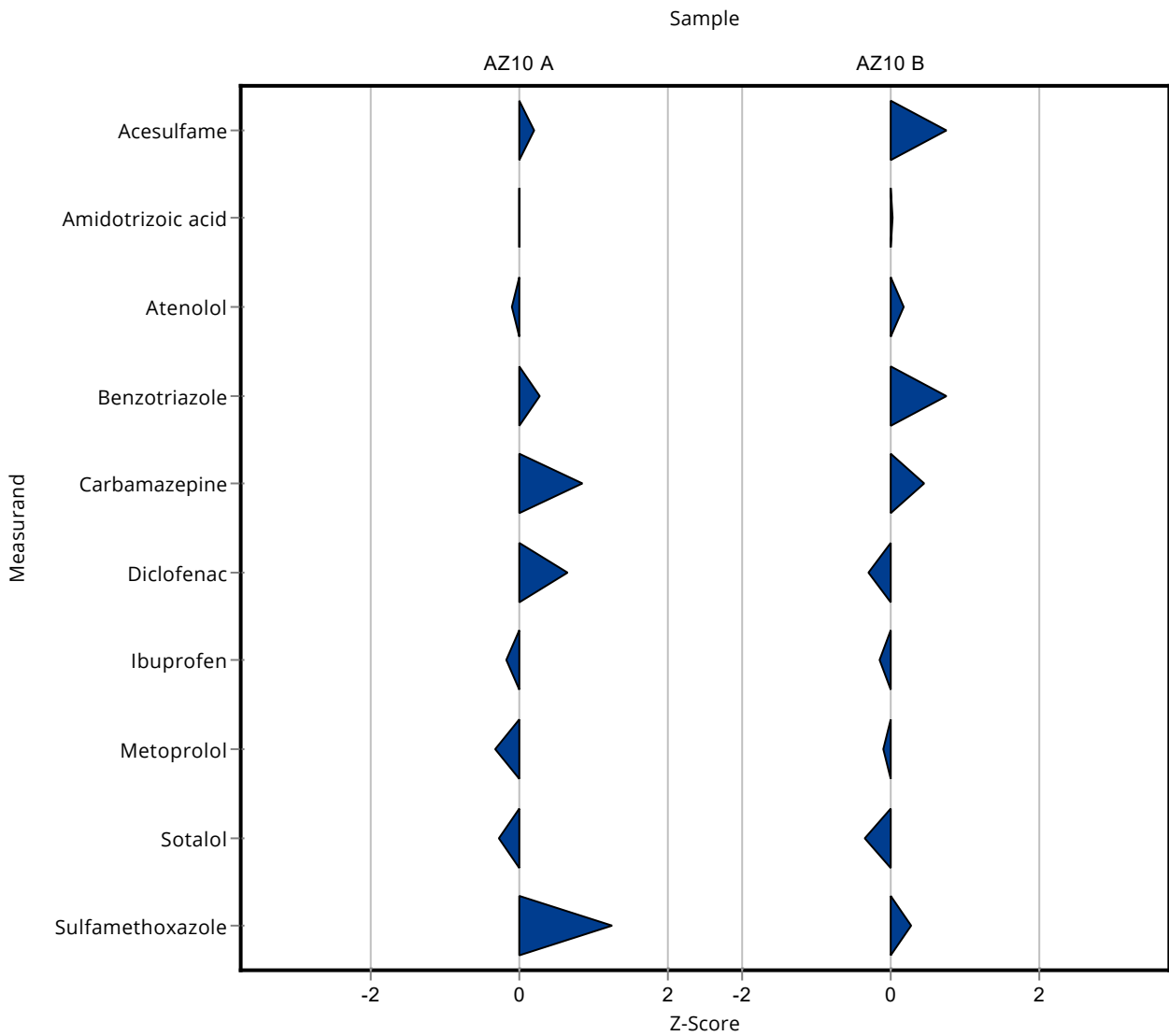
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	- ± -	0.207	-	-
Acesulfame	µg/l	0.884 ± 0.0932	0.995 ± 0.3	0.15	113	0.74
Amidotrizoic acid	µg/l	3.18 ± 0.268	3.2 ± 0.96	0.794	101	0.03
Atenolol	µg/l	1.05 ± 0.052	1.1 ± 0.33	0.263	104	0.17
Benzotriazole	µg/l	7.74 ± 0.325	8.43 ± 2.5	0.929	109	0.74
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.98 ± 0.294	0.12	106	0.46

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0013

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-	-
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	3.9 ± 1.2	0.569	95.9	-0.29
Ibuprofen	µg/l	2.26 ± 0.124	2.23 ± 0.67	0.204	98.6	-0.15
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-	-
Metoprolol	µg/l	0.937 ± 0.106	0.915 ± 0.27	0.206	97.7	-0.10
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	1.75 ± 0.53	0.417	92.2	-0.35
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.44 ± 0.13	0.0511	103	0.28



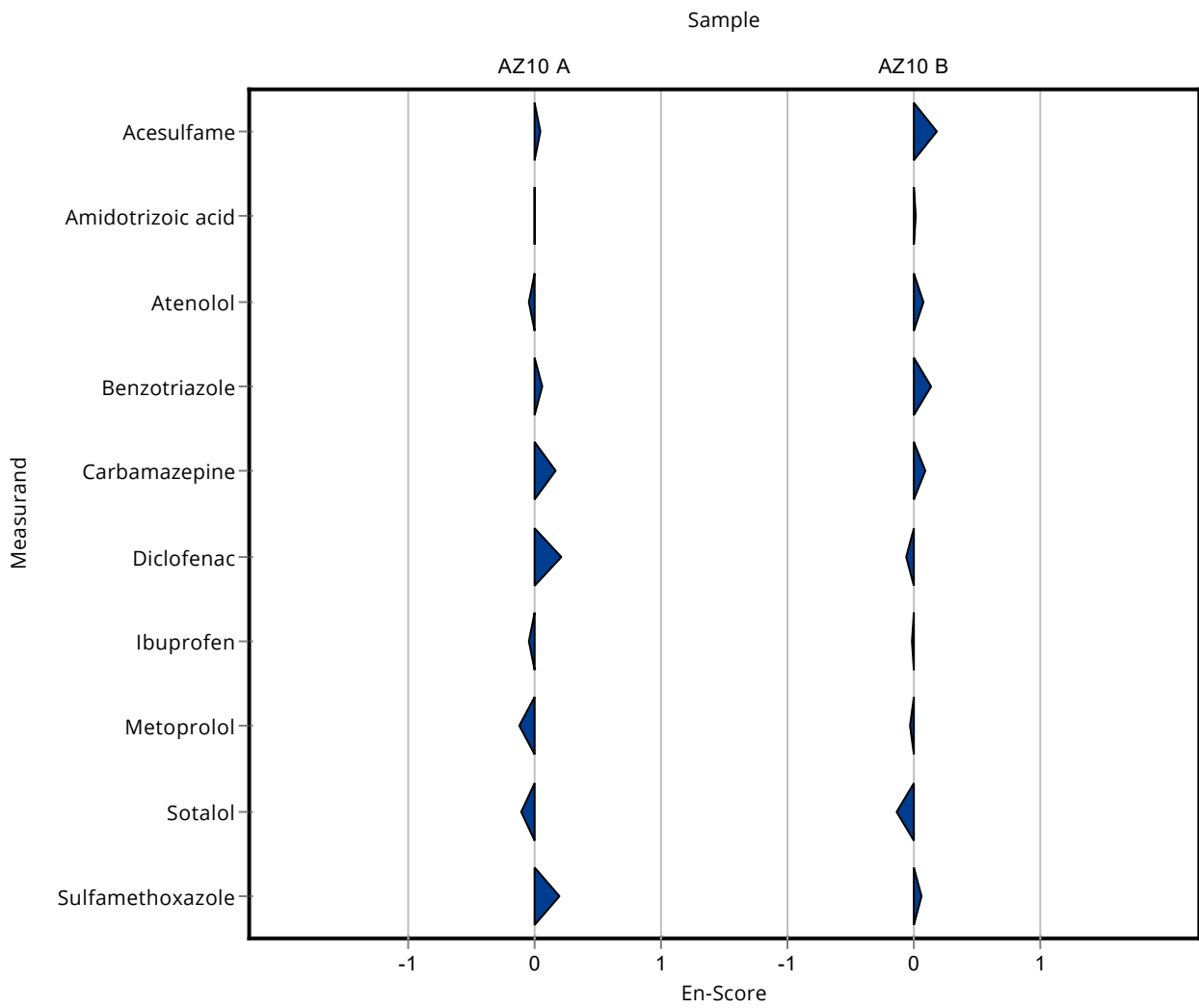
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	0.95 ± 0.29	0.156	103	0.05
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.17 ± 0.65	0.544	99.7	0.00
Atenolol	µg/l	0.869 ± 0.031	0.85 ± 0.26	0.217	97.8	-0.04
Benzotriazole	µg/l	0.399 ± 0.0132	0.413 ± 0.12	0.0479	103	0.06
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.91 ± 0.27	0.107	111	0.17
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	1.05 ± 0.31	0.21	115	0.22
Ibuprofen	µg/l	0.948 ± 0.0866	0.925 ± 0.28	0.133	97.5	-0.04
Iopamidol	µg/l	1.95 ± 0.125	- ± -	0.449	-	-
Metoprolol	µg/l	0.365 ± 0.0196	0.34 ± 0.1	0.0729	93.3	-0.12
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.4 ± 0.12	0.0937	93.9	-0.11
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.22 ± 0.07	0.023	115	0.20

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	- ± -	0.207	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score	En-Score [%]
Dihydroxycarbamazepine						
Acesulfame	µg/l	0.884 ± 0.0932	0.995 ± 0.3	0.15	113	0.18
Amidotrizoic acid	µg/l	3.18 ± 0.268	3.2 ± 0.96	0.794	101	0.01
Atenolol	µg/l	1.05 ± 0.052	1.1 ± 0.33	0.263	104	0.07
Benzotriazole	µg/l	7.74 ± 0.325	8.43 ± 2.5	0.929	109	0.14
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.98 ± 0.294	0.12	106	0.09
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-	-
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	3.9 ± 1.2	0.569	95.9	-0.07
Ibuprofen	µg/l	2.26 ± 0.124	2.23 ± 0.67	0.204	98.6	-0.02
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-	-
Metoprolol	µg/l	0.937 ± 0.106	0.915 ± 0.27	0.206	97.7	-0.04
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	1.75 ± 0.53	0.417	92.2	-0.14
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.44 ± 0.13	0.0511	103	0.05



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Labcode: LC0014

Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	0.8865 ± 0.1593	0.156	96.5	-0.20
Amidotrizoic acid	µg/l	2.18 ± 0.0987	1.8815 ± 0.5645	0.544	86.5	-0.54
Atenolol	µg/l	0.869 ± 0.031	- ± -	0.217	-	-
Benzotriazole	µg/l	0.399 ± 0.0132	- ± -	0.0479	-	-
Bisoprolol	µg/l	1.12 ± 0.196	1.0478 ± 0.253	0.235	93.6	-0.30
Carbamazepine	µg/l	0.821 ± 0.0231	- ± -	0.107	-	-
Cyclamate	µg/l	0.652 ± 0.0208	1.1047 ± 0.3314	0.196	169	2.31
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	- ± -	0.21	-	-
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0.133	-	-
Iopamidol	µg/l	1.95 ± 0.125	0.863 ± 0.2589	0.449	44.2	-2.42
Metoprolol	µg/l	0.365 ± 0.0196	- ± -	0.0729	-	-
Saccharin	µg/l	- ± -	0.9793 ± 0.2527	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	- ± -	0.0937	-	-
Sucralose	µg/l	2.93 ± 0.216	2.44 ± 0.732	0.878	83.4	-0.55
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.1785 ± 0.0222	0.023	93.3	-0.56

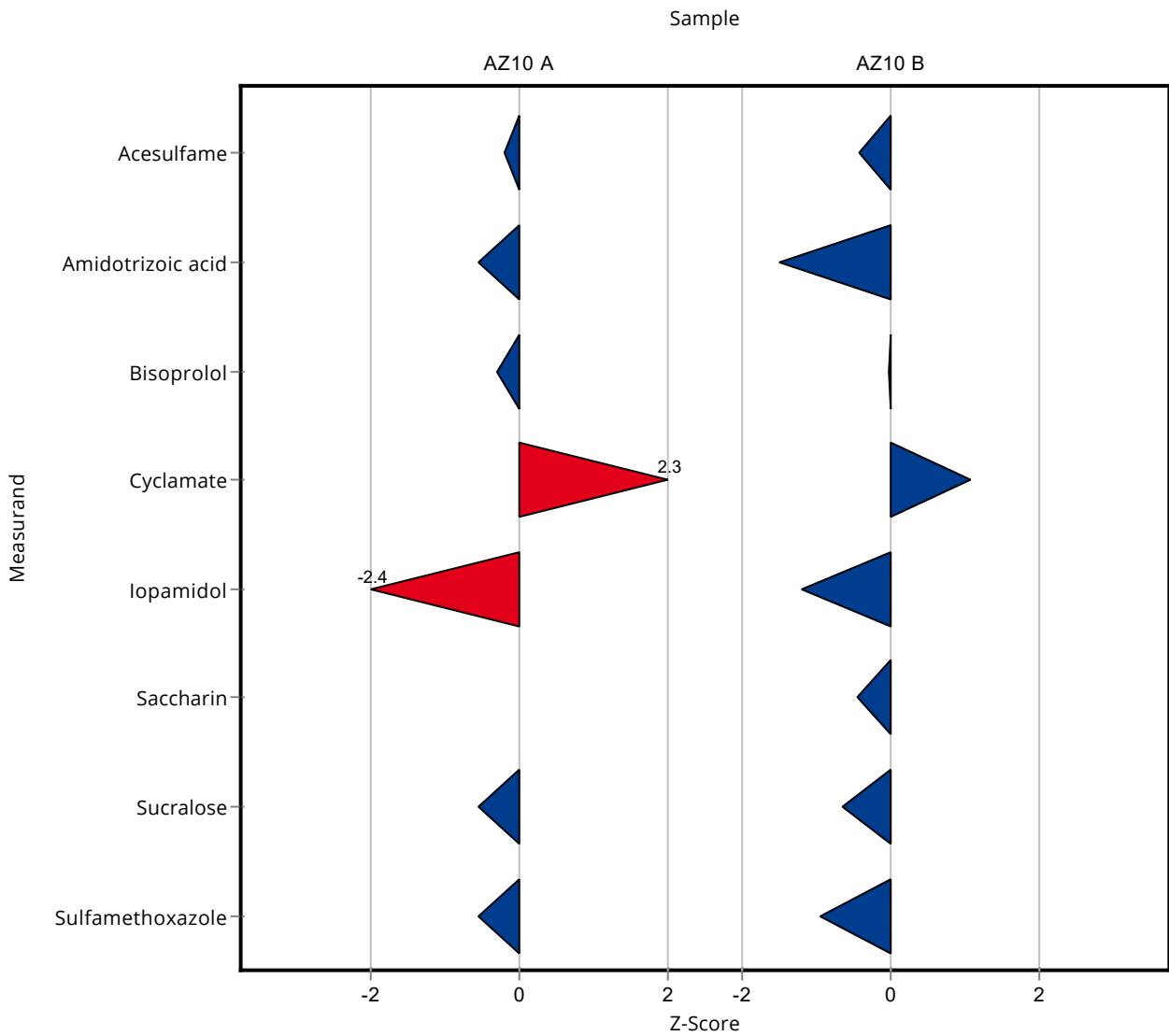
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	- ± -	0.207	-	-
Acesulfame	µg/l	0.884 ± 0.0932	0.8201 ± 0.1474	0.15	92.8	-0.42
Amidotrizoic acid	µg/l	3.18 ± 0.268	1.9842 ± 0.6	0.794	62.5	-1.50
Atenolol	µg/l	1.05 ± 0.052	- ± -	0.263	-	-
Benzotriazole	µg/l	7.74 ± 0.325	- ± -	0.929	-	-
Bisoprolol	µg/l	1.88 ± 0.267	1.8697 ± 0.4513	0.32	99.4	-0.03
Carbamazepine	µg/l	0.925 ± 0.0475	- ± -	0.12	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0014

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	0.564 ± 0.1692	0.128	132	1.07
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	- ± -	0.569	-	-
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-	-
Iopamidol	µg/l	40 ± 4.79	29.018 ± 8.7054	9.19	72.6	-1.19
Metoprolol	µg/l	0.937 ± 0.106	- ± -	0.206	-	-
Saccharin	µg/l	1.02 ± 0.091	0.9162 ± 0.2364	0.224	89.9	-0.46
Sotalol	µg/l	1.9 ± 0.148	- ± -	0.417	-	-
Sucralose	µg/l	26 ± 1.99	20.9645 ± 6.2894	7.81	80.6	-0.65
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.3774 ± 0.0468	0.0511	88.6	-0.95



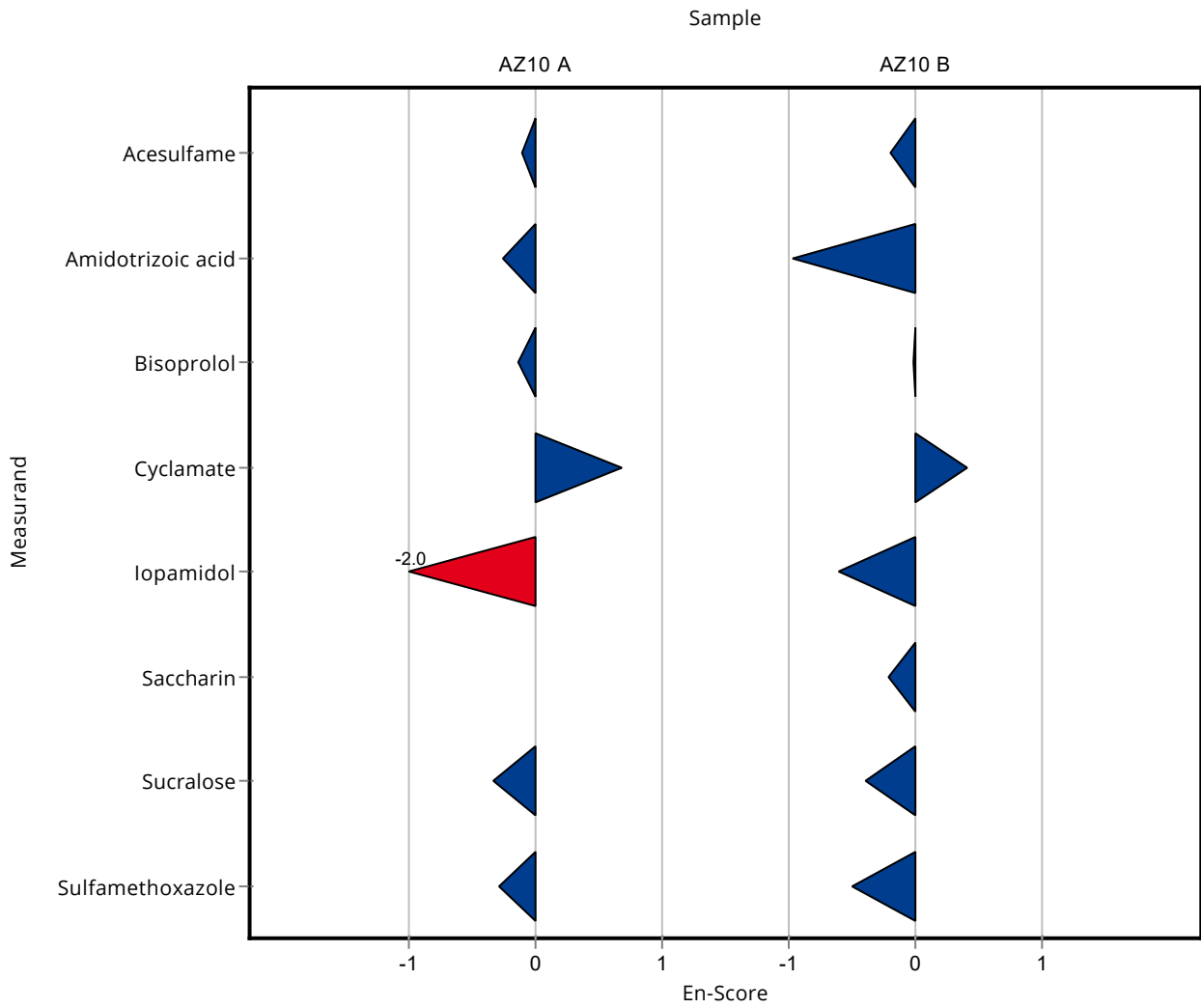
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	0.8865 ± 0.1593	0.156	96.5	-0.10
Amidotrizoic acid	µg/l	2.18 ± 0.0987	1.8815 ± 0.5645	0.544	86.5	-0.26
Atenolol	µg/l	0.869 ± 0.031	- ± -	0.217	-	-
Benzotriazole	µg/l	0.399 ± 0.0132	- ± -	0.0479	-	-
Bisoprolol	µg/l	1.12 ± 0.196	1.0478 ± 0.253	0.235	93.6	-0.13
Carbamazepine	µg/l	0.821 ± 0.0231	- ± -	0.107	-	-
Cyclamate	µg/l	0.652 ± 0.0208	1.1047 ± 0.3314	0.196	169	0.68
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	- ± -	0.21	-	-
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0.133	-	-
Iopamidol	µg/l	1.95 ± 0.125	0.863 ± 0.2589	0.449	44.2	-2.04
Metoprolol	µg/l	0.365 ± 0.0196	- ± -	0.0729	-	-
Saccharin	µg/l	- ± -	0.9793 ± 0.2527	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	- ± -	0.0937	-	-
Sucralose	µg/l	2.93 ± 0.216	2.44 ± 0.732	0.878	83.4	-0.33
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.1785 ± 0.0222	0.023	93.3	-0.28

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	- ± -	0.207	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score	En-Score [%]
Dihydroxycarbamazepine						
Acesulfame	µg/l	0.884 ± 0.0932	0.8201 ± 0.1474	0.15	92.8	-0.21
Amidotrizoic acid	µg/l	3.18 ± 0.268	1.9842 ± 0.6	0.794	62.5	-0.97
Atenolol	µg/l	1.05 ± 0.052	- ± -	0.263	-	-
Benzotriazole	µg/l	7.74 ± 0.325	- ± -	0.929	-	-
Bisoprolol	µg/l	1.88 ± 0.267	1.8697 ± 0.4513	0.32	99.4	-0.01
Carbamazepine	µg/l	0.925 ± 0.0475	- ± -	0.12	-	-
Cyclamate	µg/l	0.427 ± 0.0408	0.564 ± 0.1692	0.128	132	0.40
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	- ± -	0.569	-	-
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-	-
Iopamidol	µg/l	40 ± 4.79	29.018 ± 8.7054	9.19	72.6	-0.61
Metoprolol	µg/l	0.937 ± 0.106	- ± -	0.206	-	-
Saccharin	µg/l	1.02 ± 0.091	0.9162 ± 0.2364	0.224	89.9	-0.21
Sotalol	µg/l	1.9 ± 0.148	- ± -	0.417	-	-
Sucralose	µg/l	26 ± 1.99	20.9645 ± 6.2894	7.81	80.6	-0.40
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.3774 ± 0.0468	0.0511	88.6	-0.51



Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.569 ± 0.047	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.276 ± 0.024	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	0.45 ± 0.045	0.0965	88.6	-0.60
Acesulfame	µg/l	0.918 ± 0.0628	0.913 ± 0.136	0.156	99.4	-0.03
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.196 ± 1.01	0.544	101	0.04
Atenolol	µg/l	0.869 ± 0.031	0.909 ± 0.09	0.217	105	0.18
Benzotriazole	µg/l	0.399 ± 0.0132	0.444 ± 0.093	0.0479	111	0.93
Bisoprolol	µg/l	1.12 ± 0.196	1.108 ± 0.109	0.235	99	-0.05
Carbamazepine	µg/l	0.821 ± 0.0231	0.824 ± 0.084	0.107	100	0.03
Cyclamate	µg/l	0.652 ± 0.0208	0.694 ± 0.269	0.196	106	0.21
Diazepam	µg/l	0.544 ± 0.0272	0.541 ± 0.044	0.0381	99.5	-0.08
Diclofenac	µg/l	0.913 ± 0.106	1.102 ± 0.348	0.21	121	0.90
Ibuprofen	µg/l	0.948 ± 0.0866	0.884 ± 0.108	0.133	93.2	-0.49
Iopamidol	µg/l	1.95 ± 0.125	2.052 ± 0.615	0.449	105	0.23
Metoprolol	µg/l	0.365 ± 0.0196	0.339 ± 0.038	0.0729	93	-0.35
Saccharin	µg/l	- ± -	1.043 ± 0.222	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.463 ± 0.047	0.0937	109	0.40
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.194 ± 0.021	0.023	101	0.11

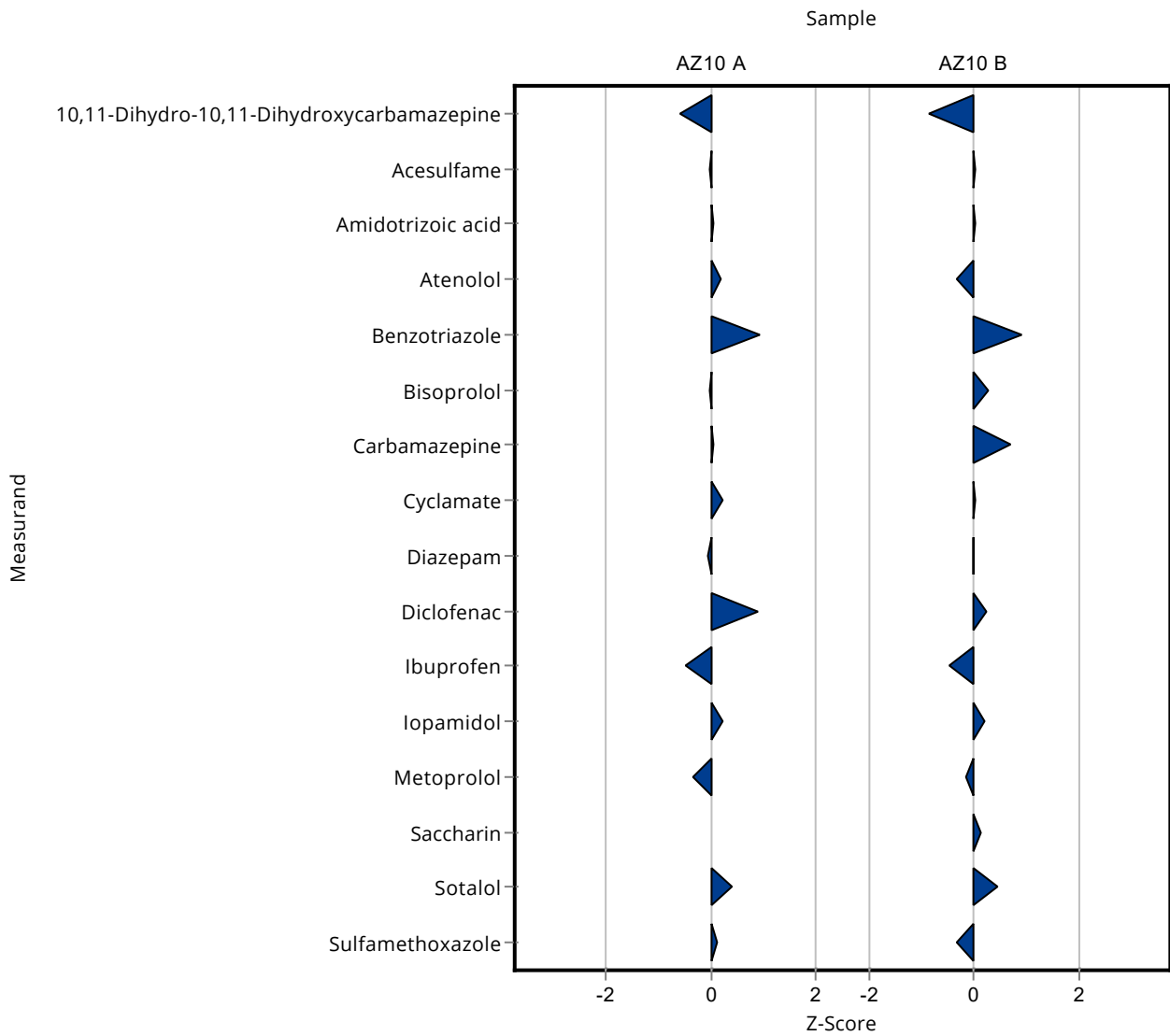
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	3.633 ± 0.301	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	5.877 ± 0.519	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	1.202 ± 0.121	0.207	87	-0.87
Acesulfame	µg/l	0.884 ± 0.0932	0.89 ± 0.133	0.15	101	0.04
Amidotrizoic acid	µg/l	3.18 ± 0.268	3.189 ± 1.46	0.794	100	0.02
Atenolol	µg/l	1.05 ± 0.052	0.966 ± 0.095	0.263	91.7	-0.33
Benzotriazole	µg/l	7.74 ± 0.325	8.597 ± 1.8	0.929	111	0.92
Bisoprolol	µg/l	1.88 ± 0.267	1.975 ± 0.195	0.32	105	0.30
Carbamazepine	µg/l	0.925 ± 0.0475	1.009 ± 0.103	0.12	109	0.70

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0015

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	0.433 ± 0.168	0.128	101	0.05
Diazepam	µg/l	0.275 ± 0.0192	0.275 ± 0.023	0.0275	100	0.01
Diclofenac	µg/l	4.07 ± 0.211	4.202 ± 1.33	0.569	103	0.24
Ibuprofen	µg/l	2.26 ± 0.124	2.167 ± 0.264	0.204	95.8	-0.46
Iopamidol	µg/l	40 ± 4.79	41.954 ± 12.6	9.19	105	0.22
Metoprolol	µg/l	0.937 ± 0.106	0.906 ± 0.102	0.206	96.7	-0.15
Saccharin	µg/l	1.02 ± 0.091	1.051 ± 0.223	0.224	103	0.14
Sotalol	µg/l	1.9 ± 0.148	2.084 ± 0.21	0.417	110	0.45
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.409 ± 0.044	0.0511	96	-0.33



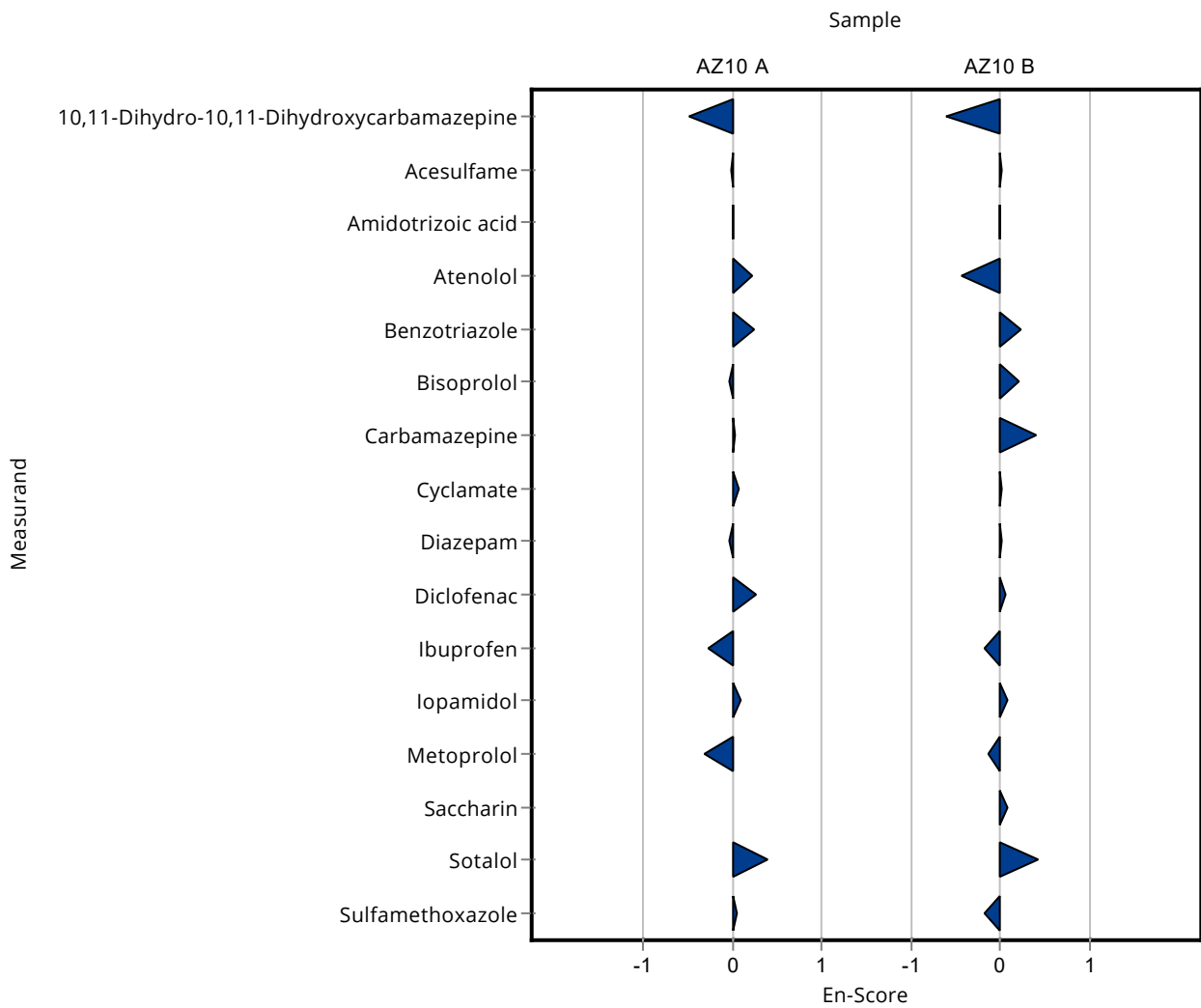
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.569 ± 0.047	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.276 ± 0.024	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	0.45 ± 0.045	0,0965	88.6	-0.49
Acesulfame	µg/l	0.918 ± 0.0628	0.913 ± 0.136	0,156	99.4	-0.02
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.196 ± 1.01	0,544	101	0.01
Atenolol	µg/l	0.869 ± 0.031	0.909 ± 0.09	0,217	105	0.22
Benzotriazole	µg/l	0.399 ± 0.0132	0.444 ± 0.093	0,0479	111	0.24
Bisoprolol	µg/l	1.12 ± 0.196	1.108 ± 0.109	0,235	99	-0.04
Carbamazepine	µg/l	0.821 ± 0.0231	0.824 ± 0.084	0,107	100	0.02
Cyclamate	µg/l	0.652 ± 0.0208	0.694 ± 0.269	0,196	106	0.08
Diazepam	µg/l	0.544 ± 0.0272	0.541 ± 0.044	0,0381	99.5	-0.03
Diclofenac	µg/l	0.913 ± 0.106	1.102 ± 0.348	0,21	121	0.27
Ibuprofen	µg/l	0.948 ± 0.0866	0.884 ± 0.108	0,133	93.2	-0.28
Iopamidol	µg/l	1.95 ± 0.125	2.052 ± 0.615	0,449	105	0.08
Metoprolol	µg/l	0.365 ± 0.0196	0.339 ± 0.038	0,0729	93	-0.33
Saccharin	µg/l	- ± -	1.043 ± 0.222	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.463 ± 0.047	0,0937	109	0.39
Sucralose	µg/l	2.93 ± 0.216	- ± -	0,878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.194 ± 0.021	0,023	101	0.06

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	3.633 ± 0.301	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	5.877 ± 0.519	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	1.202 ± 0.121	0,207	87	-0.61

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Dihydroxycarbamazepine						
Acesulfame	µg/l	0.884 ± 0.0932	0.89 ± 0.133	0.15	101	0.02
Amidotrizoic acid	µg/l	3.18 ± 0.268	3.189 ± 1.46	0.794	100	0.00
Atenolol	µg/l	1.05 ± 0.052	0.966 ± 0.095	0.263	91.7	-0.45
Benzotriazole	µg/l	7.74 ± 0.325	8.597 ± 1.8	0.929	111	0.24
Bisoprolol	µg/l	1.88 ± 0.267	1.975 ± 0.195	0.32	105	0.20
Carbamazepine	µg/l	0.925 ± 0.0475	1.009 ± 0.103	0.12	109	0.40
Cyclamate	µg/l	0.427 ± 0.0408	0.433 ± 0.168	0.128	101	0.02
Diazepam	µg/l	0.275 ± 0.0192	0.275 ± 0.023	0.0275	100	0.01
Diclofenac	µg/l	4.07 ± 0.211	4.202 ± 1.33	0.569	103	0.05
Ibuprofen	µg/l	2.26 ± 0.124	2.167 ± 0.264	0.204	95.8	-0.17
Iopamidol	µg/l	40 ± 4.79	41.954 ± 12.6	9.19	105	0.08
Metoprolol	µg/l	0.937 ± 0.106	0.906 ± 0.102	0.206	96.7	-0.13
Saccharin	µg/l	1.02 ± 0.091	1.051 ± 0.223	0.224	103	0.07
Sotalol	µg/l	1.9 ± 0.148	2.084 ± 0.21	0.417	110	0.42
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.409 ± 0.044	0.0511	96	-0.19



Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.4677 ± 0.1356	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.2379 ± 0.0619	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	0.3717 ± 0.1115	0.0965	73.2	-1.41
Acesulfame	µg/l	0.918 ± 0.0628	1.28 ± 0.141	0.156	139	2.32
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.08 ± 0.374	0.544	95.6	-0.18
Atenolol	µg/l	0.869 ± 0.031	- ± -	0.217	-	-
Benzotriazole	µg/l	0.399 ± 0.0132	0.3816 ± 0.1043	0.0479	95.6	-0.37
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.6885 ± 0.241	0.107	83.9	-1.24
Cyclamate	µg/l	0.652 ± 0.0208	0.86 ± 0.146	0.196	132	1.06
Diazepam	µg/l	0.544 ± 0.0272	0.5027 ± 0.0603	0.0381	92.4	-1.08
Diclofenac	µg/l	0.913 ± 0.106	1.064 ± 0.2766	0.21	116	0.72
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0.133	-	-
Iopamidol	µg/l	1.95 ± 0.125	1.93 ± 0.521	0.449	98.9	-0.05
Metoprolol	µg/l	0.365 ± 0.0196	0.3151 ± 0.0756	0.0729	86.4	-0.68
Saccharin	µg/l	- ± -	0.893 ± 0.205	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.395 ± 0.1422	0.0937	92.8	-0.33
Sucralose	µg/l	2.93 ± 0.216	2.96 ± 0.681	0.878	101	0.04
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.1872 ± 0.0431	0.023	97.8	-0.18

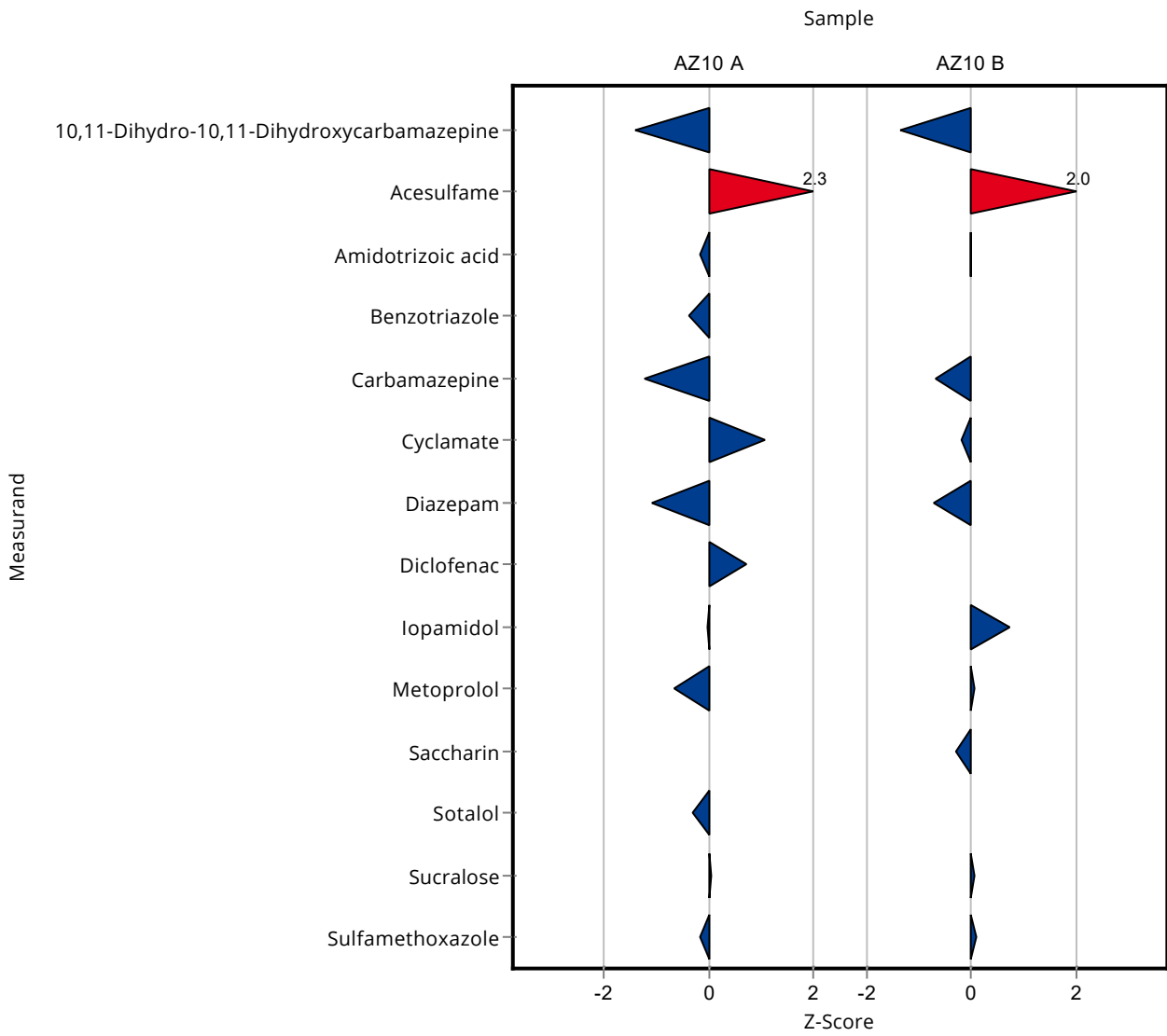
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	1.1041 ± 0.3312	0.207	79.9	-1.34
Acesulfame	µg/l	0.884 ± 0.0932	1.19 ± 0.131	0.15	135	2.04
Amidotrizoic acid	µg/l	3.18 ± 0.268	3.18 ± 0.572	0.794	100	0.00
Atenolol	µg/l	1.05 ± 0.052	- ± -	0.263	-	-
Benzotriazole	µg/l	7.74 ± 0.325	- ± -	0.929	-	-
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.8413 ± 0.2945	0.12	91	-0.69

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0016

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	0.404 ± 0.069	0.128	94.7	-0.18
Diazepam	µg/l	0.275 ± 0.0192	0.2555 ± 0.0307	0.0275	93	-0.70
Diclofenac	µg/l	4.07 ± 0.211	- ± -	0.569	-	-
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-	-
Iopamidol	µg/l	40 ± 4.79	46.7 ± 12.609	9.19	117	0.73
Metoprolol	µg/l	0.937 ± 0.106	0.9535 ± 0.2288	0.206	102	0.08
Saccharin	µg/l	1.02 ± 0.091	0.954 ± 0.219	0.224	93.6	-0.29
Sotalol	µg/l	1.9 ± 0.148	- ± -	0.417	-	-
Sucralose	µg/l	26 ± 1.99	26.45 ± 6.084	7.81	102	0.05
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.431 ± 0.0991	0.0511	101	0.10



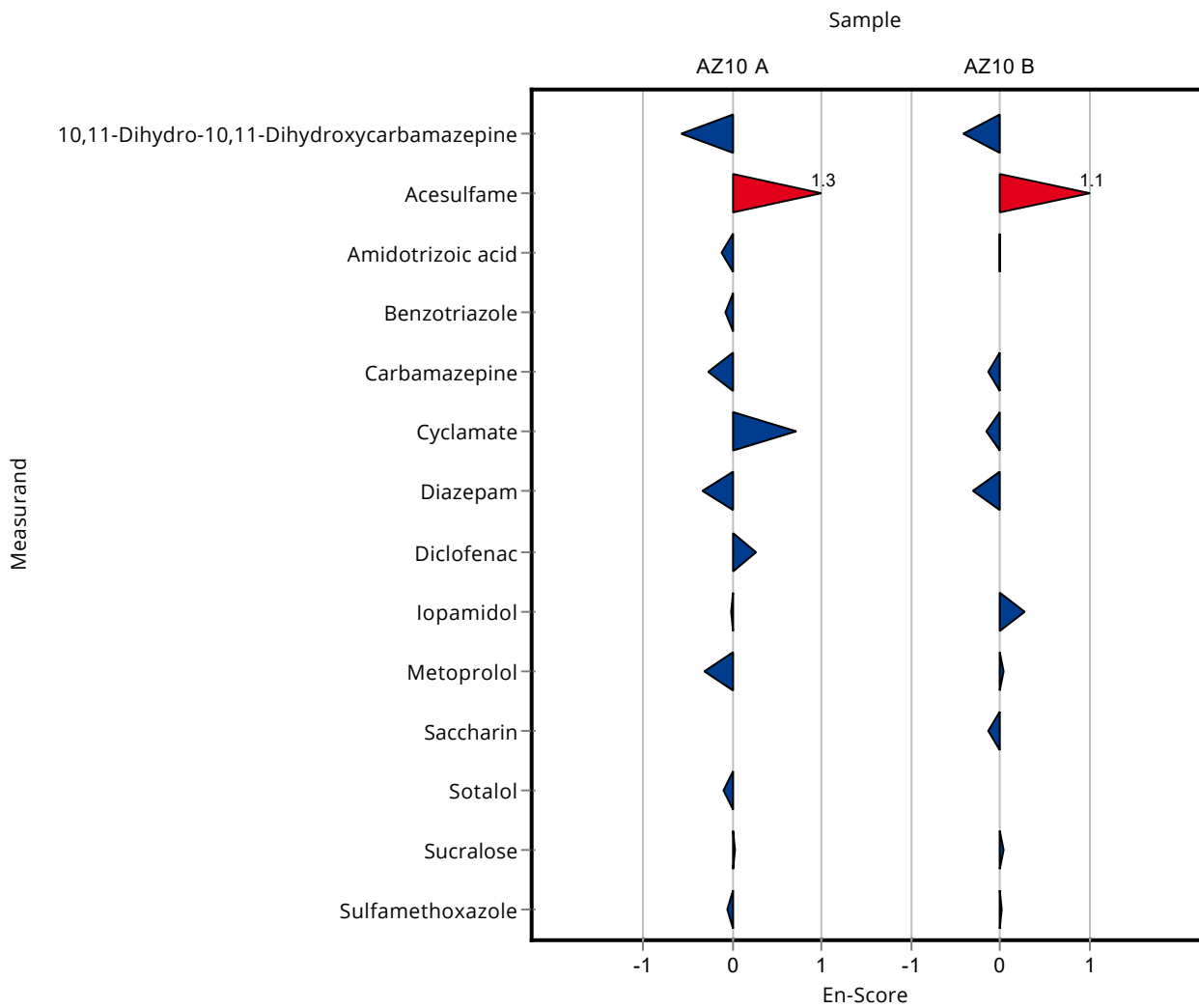
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.4677 ± 0.1356	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.2379 ± 0.0619	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	0.3717 ± 0.1115	0,0965	73.2	-0.58
Acesulfame	µg/l	0.918 ± 0.0628	1.28 ± 0.141	0,156	139	1.25
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.08 ± 0.374	0,544	95.6	-0.13
Atenolol	µg/l	0.869 ± 0.031	- ± -	0,217	-	-
Benzotriazole	µg/l	0.399 ± 0.0132	0.3816 ± 0.1043	0,0479	95.6	-0.08
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0,235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.6885 ± 0.241	0,107	83.9	-0.27
Cyclamate	µg/l	0.652 ± 0.0208	0.86 ± 0.146	0,196	132	0.71
Diazepam	µg/l	0.544 ± 0.0272	0.5027 ± 0.0603	0,0381	92.4	-0.33
Diclofenac	µg/l	0.913 ± 0.106	1.064 ± 0.2766	0,21	116	0.27
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0,133	-	-
Iopamidol	µg/l	1.95 ± 0.125	1.93 ± 0.521	0,449	98.9	-0.02
Metoprolol	µg/l	0.365 ± 0.0196	0.3151 ± 0.0756	0,0729	86.4	-0.32
Saccharin	µg/l	- ± -	0.893 ± 0.205	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.395 ± 0.1422	0,0937	92.8	-0.11
Sucralose	µg/l	2.93 ± 0.216	2.96 ± 0.681	0,878	101	0.02
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.1872 ± 0.0431	0,023	97.8	-0.05

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	1.1041 ± 0.3312	0,207	79.9	-0.41

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score	En-Score [%]
Dihydroxycarbamazepine						
Acesulfame	µg/l	0.884 ± 0.0932	1.19 ± 0.131	0.15	135	1.10
Amidotrizoic acid	µg/l	3.18 ± 0.268	3.18 ± 0.572	0.794	100	0.00
Atenolol	µg/l	1.05 ± 0.052	- ± -	0.263	-	-
Benzotriazole	µg/l	7.74 ± 0.325	- ± -	0.929	-	-
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.8413 ± 0.2945	0.12	91	-0.14
Cyclamate	µg/l	0.427 ± 0.0408	0.404 ± 0.069	0.128	94.7	-0.16
Diazepam	µg/l	0.275 ± 0.0192	0.2555 ± 0.0307	0.0275	93	-0.30
Diclofenac	µg/l	4.07 ± 0.211	- ± -	0.569	-	-
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-	-
Iopamidol	µg/l	40 ± 4.79	46.7 ± 12.609	9.19	117	0.26
Metoprolol	µg/l	0.937 ± 0.106	0.9535 ± 0.2288	0.206	102	0.04
Saccharin	µg/l	1.02 ± 0.091	0.954 ± 0.219	0.224	93.6	-0.15
Sotalol	µg/l	1.9 ± 0.148	- ± -	0.417	-	-
Sucralose	µg/l	26 ± 1.99	26.45 ± 6.084	7.81	102	0.03
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.431 ± 0.0991	0.0511	101	0.03



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Labcode: LC0017

Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.564 ± 0.113	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.301 ± 0.06	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	0.576 ± 0.115	0.0965	113	0.71
Acesulfame	µg/l	0.918 ± 0.0628	0.899 ± 0.179	0.156	97.9	-0.12
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.55 ± 0.509	0.544	117	0.69
Atenolol	µg/l	0.869 ± 0.031	1.13 ± 0.225	0.217	130	1.20
Benzotriazole	µg/l	0.399 ± 0.0132	0.397 ± 0.08	0.0479	99.4	-0.05
Bisoprolol	µg/l	1.12 ± 0.196	1.31 ± 0.261	0.235	117	0.81
Carbamazepine	µg/l	0.821 ± 0.0231	1.01 ± 0.203	0.107	123	1.78
Cyclamate	µg/l	0.652 ± 0.0208	0.626 ± 0.125	0.196	96	-0.13
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	0.727 ± 0.145	0.21	79.6	-0.89
Ibuprofen	µg/l	0.948 ± 0.0866	1.042 ± 0.21	0.133	110	0.70
Iopamidol	µg/l	1.95 ± 0.125	2.6 ± 0.52	0.449	133	1.45
Metoprolol	µg/l	0.365 ± 0.0196	0.39 ± 0.079	0.0729	107	0.35
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.409 ± 0.079	0.0937	96	-0.18
Sucralose	µg/l	2.93 ± 0.216	3.138 ± 0.628	0.878	107	0.24
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.188 ± 0.037	0.023	98.2	-0.15

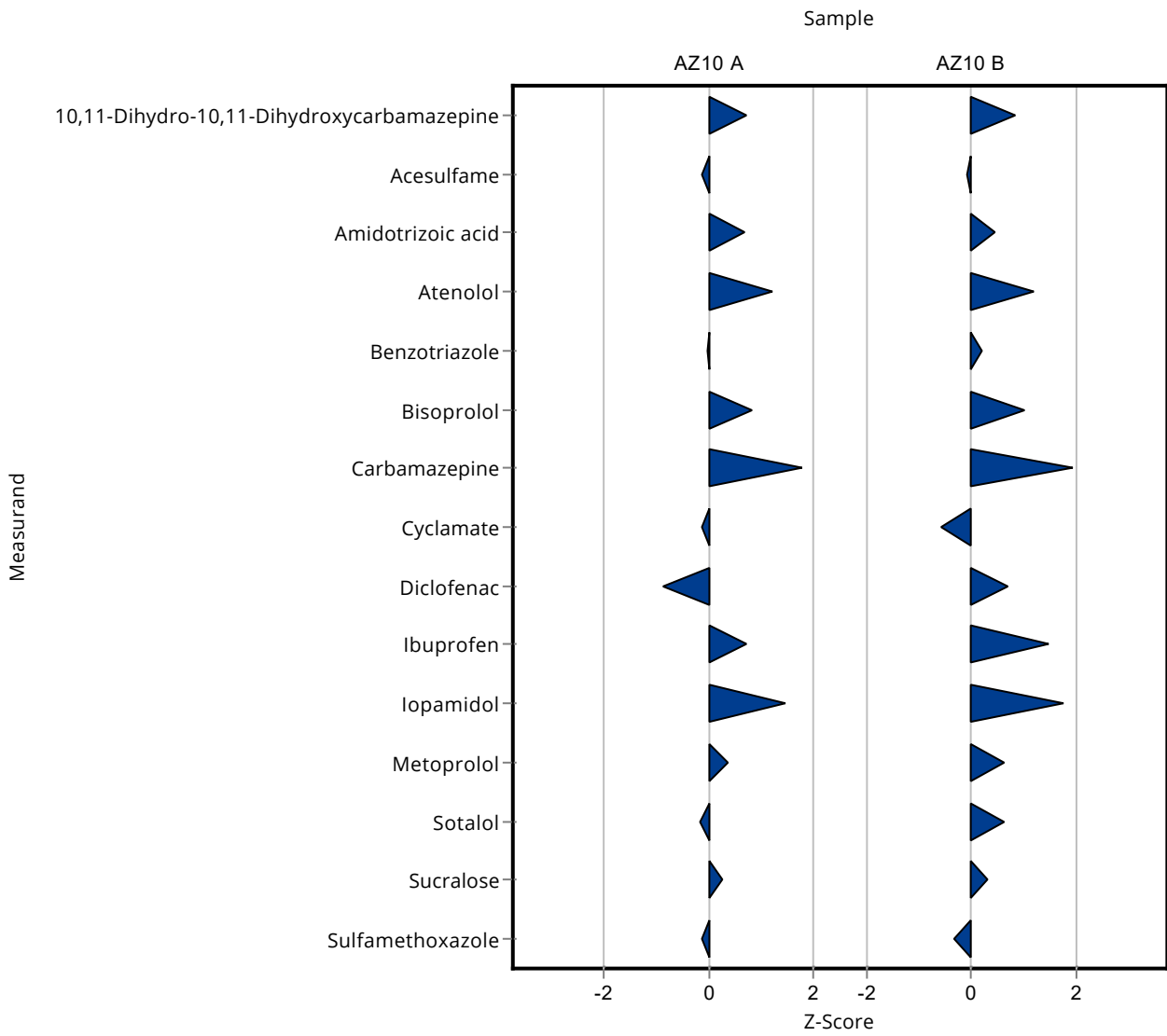
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	3.65 ± 0.729	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	6.09 ± 1.217	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	1.56 ± 0.313	0.207	113	0.86
Acesulfame	µg/l	0.884 ± 0.0932	0.871 ± 0.174	0.15	98.5	-0.09
Amidotrizoic acid	µg/l	3.18 ± 0.268	3.54 ± 0.708	0.794	111	0.46
Atenolol	µg/l	1.05 ± 0.052	1.37 ± 0.273	0.263	130	1.20
Benzotriazole	µg/l	7.74 ± 0.325	7.94 ± 1.59	0.929	103	0.21
Bisoprolol	µg/l	1.88 ± 0.267	2.21 ± 0.441	0.32	118	1.03
Carbamazepine	µg/l	0.925 ± 0.0475	1.16 ± 0.232	0.12	125	1.96

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0017

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	0.355 ± 0.071	0.128	83.2	-0.56
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	4.46 ± 0.892	0.569	110	0.69
Ibuprofen	µg/l	2.26 ± 0.124	2.56 ± 0.513	0.204	113	1.47
Iopamidol	µg/l	40 ± 4.79	56.1 ± 11.2	9.19	140	1.76
Metoprolol	µg/l	0.937 ± 0.106	1.07 ± 0.213	0.206	114	0.65
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	2.16 ± 0.431	0.417	114	0.63
Sucralose	µg/l	26 ± 1.99	28.6 ± 5.72	7.81	110	0.33
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.409 ± 0.082	0.0511	96	-0.33



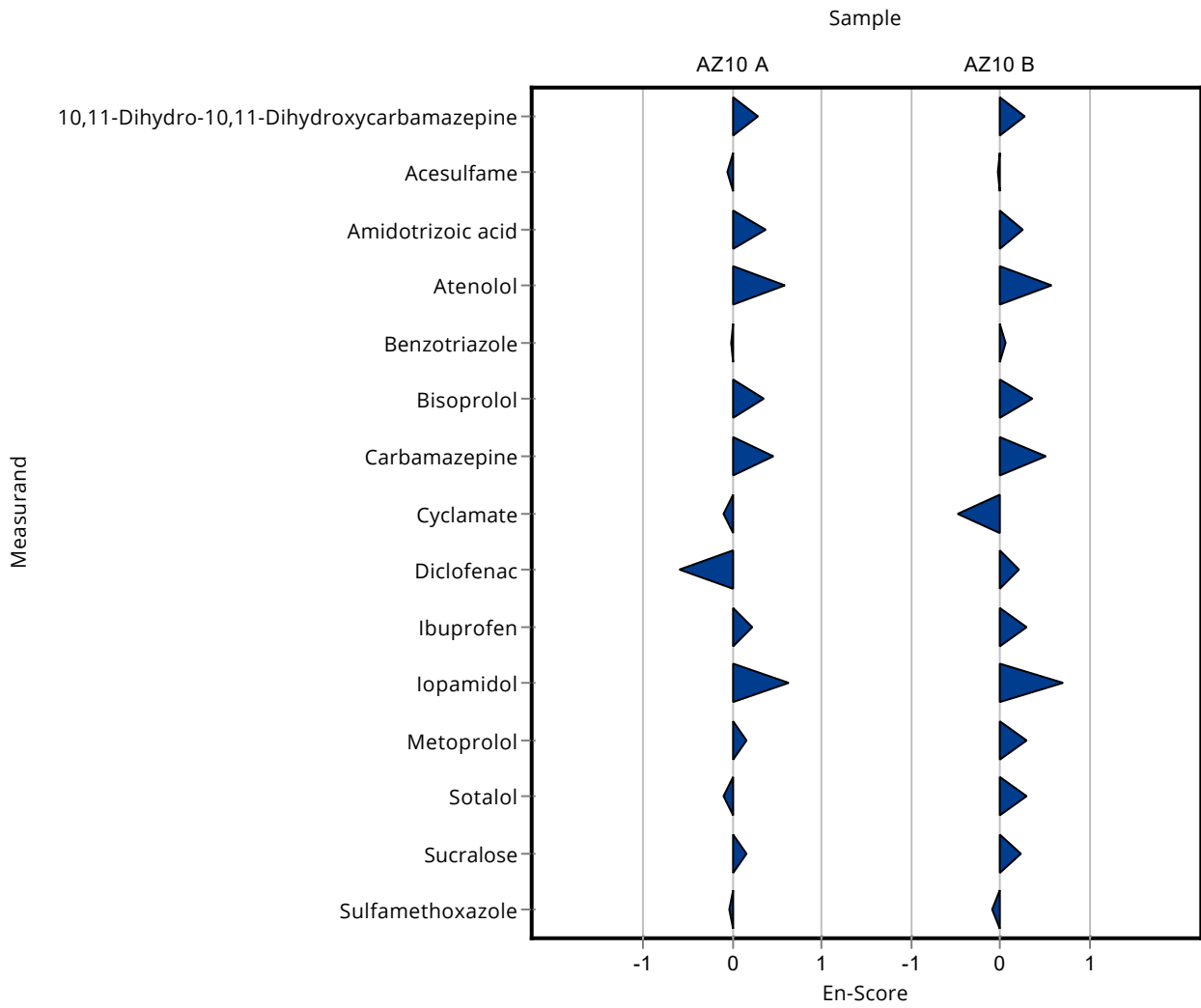
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	0.564 ± 0.113	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	0.301 ± 0.06	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	0.576 ± 0.115	0,0965	113	0.28
Acesulfame	µg/l	0.918 ± 0.0628	0.899 ± 0.179	0,156	97.9	-0.05
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.55 ± 0.509	0,544	117	0.37
Atenolol	µg/l	0.869 ± 0.031	1.13 ± 0.225	0,217	130	0.58
Benzotriazole	µg/l	0.399 ± 0.0132	0.397 ± 0.08	0,0479	99.4	-0.01
Bisoprolol	µg/l	1.12 ± 0.196	1.31 ± 0.261	0,235	117	0.34
Carbamazepine	µg/l	0.821 ± 0.0231	1.01 ± 0.203	0,107	123	0.47
Cyclamate	µg/l	0.652 ± 0.0208	0.626 ± 0.125	0,196	96	-0.10
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0,0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	0.727 ± 0.145	0,21	79.6	-0.60
Ibuprofen	µg/l	0.948 ± 0.0866	1.042 ± 0.21	0,133	110	0.22
Iopamidol	µg/l	1.95 ± 0.125	2.6 ± 0.52	0,449	133	0.62
Metoprolol	µg/l	0.365 ± 0.0196	0.39 ± 0.079	0,0729	107	0.16
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.409 ± 0.079	0,0937	96	-0.11
Sucralose	µg/l	2.93 ± 0.216	3.138 ± 0.628	0,878	107	0.17
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.188 ± 0.037	0,023	98.2	-0.05

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	3.65 ± 0.729	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	6.09 ± 1.217	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	1.56 ± 0.313	0,207	113	0.28

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score	En-Score [%]
Dihydroxycarbamazepine						
Acesulfame	µg/l	0.884 ± 0.0932	0.871 ± 0.174	0.15	98.5	-0.04
Amidotrizoic acid	µg/l	3.18 ± 0.268	3.54 ± 0.708	0.794	111	0.25
Atenolol	µg/l	1.05 ± 0.052	1.37 ± 0.273	0.263	130	0.58
Benzotriazole	µg/l	7.74 ± 0.325	7.94 ± 1.59	0.929	103	0.06
Bisoprolol	µg/l	1.88 ± 0.267	2.21 ± 0.441	0.32	118	0.36
Carbamazepine	µg/l	0.925 ± 0.0475	1.16 ± 0.232	0.12	125	0.50
Cyclamate	µg/l	0.427 ± 0.0408	0.355 ± 0.071	0.128	83.2	-0.49
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	4.46 ± 0.892	0.569	110	0.22
Ibuprofen	µg/l	2.26 ± 0.124	2.56 ± 0.513	0.204	113	0.29
Iopamidol	µg/l	40 ± 4.79	56.1 ± 11.2	9.19	140	0.70
Metoprolol	µg/l	0.937 ± 0.106	1.07 ± 0.213	0.206	114	0.30
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	2.16 ± 0.431	0.417	114	0.30
Sucralose	µg/l	26 ± 1.99	28.6 ± 5.72	7.81	110	0.22
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.409 ± 0.082	0.0511	96	-0.10



Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	- ± -	0.156	-	-
Amidotrizoic acid	µg/l	2.18 ± 0.0987	- ± -	0.544	-	-
Atenolol	µg/l	0.869 ± 0.031	0.9 ± 0.09	0.217	104	0.14
Benzotriazole	µg/l	0.399 ± 0.0132	- ± -	0.0479	-	-
Bisoprolol	µg/l	1.12 ± 0.196	0.8 ± 0.08	0.235	71.5	-1.36
Carbamazepine	µg/l	0.821 ± 0.0231	0.8 ± 0.08	0.107	97.5	-0.19
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	0.56 ± 0.056	0.0381	103	0.42
Diclofenac	µg/l	0.913 ± 0.106	0.7 ± 0.07	0.21	76.6	-1.02
Ibuprofen	µg/l	0.948 ± 0.0866	0.8 ± 0.08	0.133	84.4	-1.12
Iopamidol	µg/l	1.95 ± 0.125	2 ± 0.2	0.449	103	0.11
Metoprolol	µg/l	0.365 ± 0.0196	0.34 ± 0.034	0.0729	93.3	-0.34
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.5 ± 0.05	0.0937	117	0.79
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.21 ± 0.021	0.023	110	0.81

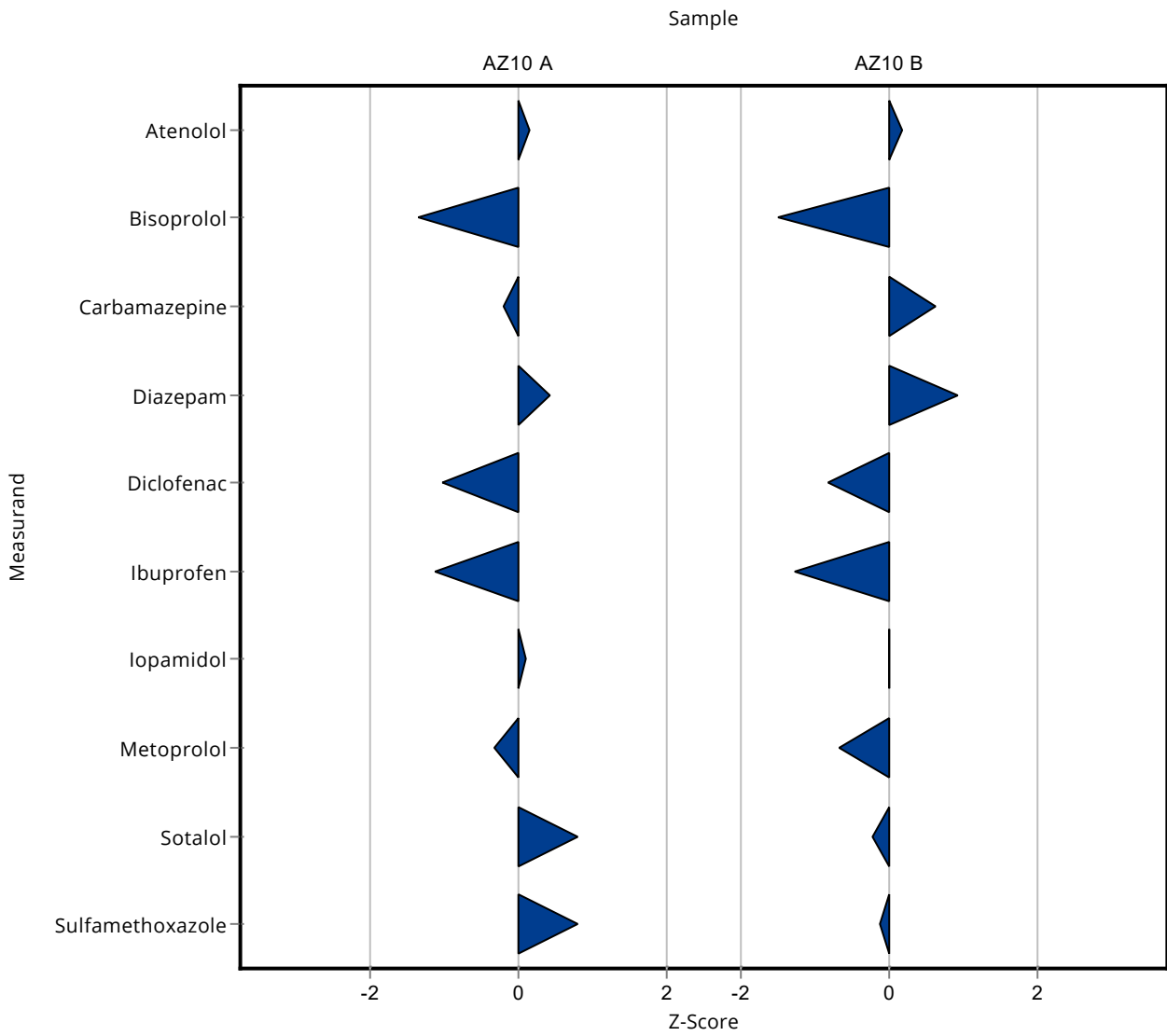
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	- ± -	0.207	-	-
Acesulfame	µg/l	0.884 ± 0.0932	- ± -	0.15	-	-
Amidotrizoic acid	µg/l	3.18 ± 0.268	- ± -	0.794	-	-
Atenolol	µg/l	1.05 ± 0.052	1.1 ± 0.11	0.263	104	0.17
Benzotriazole	µg/l	7.74 ± 0.325	- ± -	0.929	-	-
Bisoprolol	µg/l	1.88 ± 0.267	1.4 ± 0.14	0.32	74.5	-1.50
Carbamazepine	µg/l	0.925 ± 0.0475	1 ± 0.1	0.12	108	0.63

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0018

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-	-
Diazepam	µg/l	0.275 ± 0.0192	0.3 ± 0.03	0.0275	109	0.92
Diclofenac	µg/l	4.07 ± 0.211	3.6 ± 0.36	0.569	88.5	-0.82
Ibuprofen	µg/l	2.26 ± 0.124	2 ± 0.2	0.204	88.4	-1.28
Iopamidol	µg/l	40 ± 4.79	40 ± 4	9.19	100	0.00
Metoprolol	µg/l	0.937 ± 0.106	0.8 ± 0.08	0.206	85.4	-0.66
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	1.8 ± 0.18	0.417	94.9	-0.23
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.42 ± 0.042	0.0511	98.6	-0.12



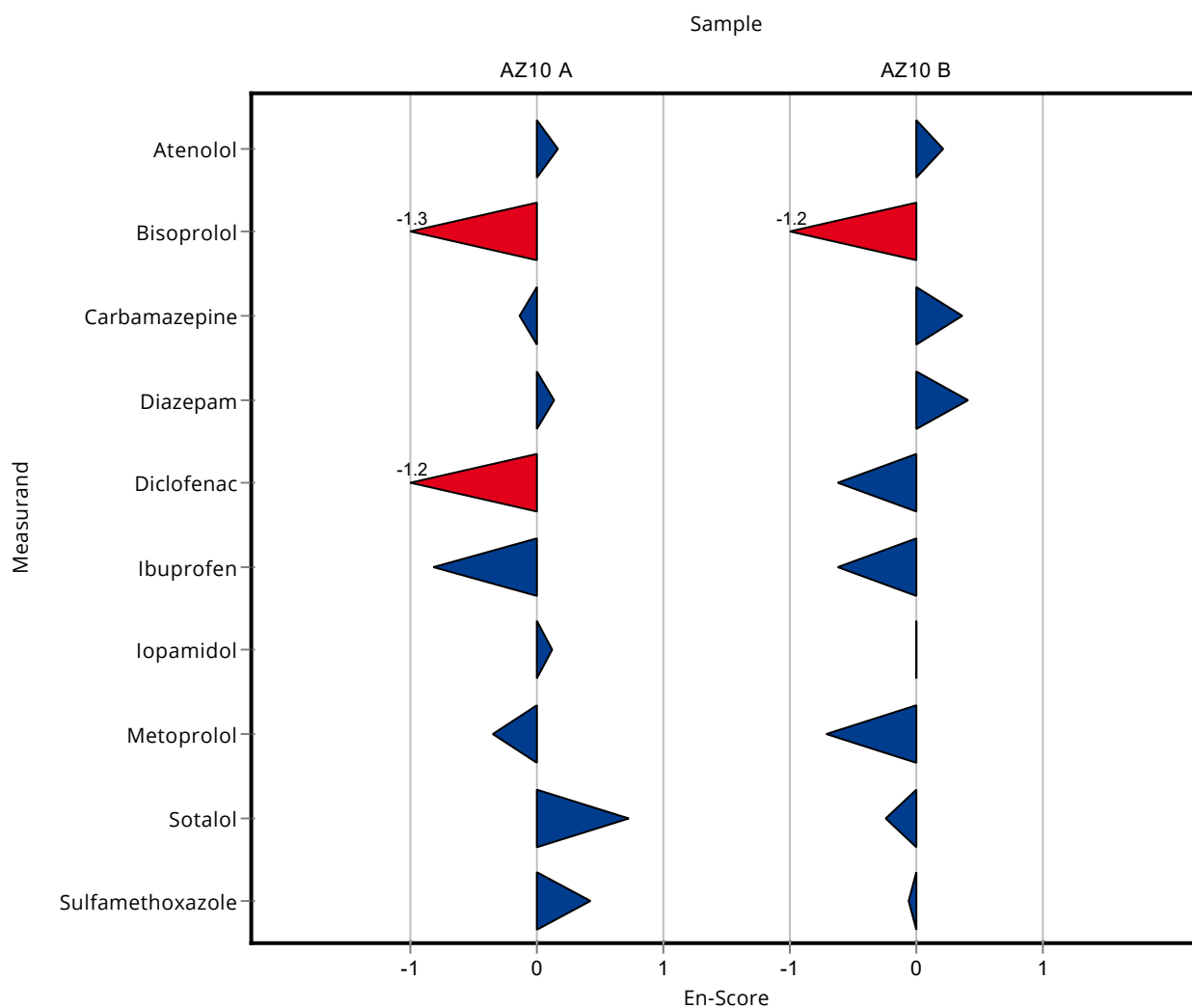
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	- ± -	0.156	-	-
Amidotrizoic acid	µg/l	2.18 ± 0.0987	- ± -	0.544	-	-
Atenolol	µg/l	0.869 ± 0.031	0.9 ± 0.09	0.217	104	0.17
Benzotriazole	µg/l	0.399 ± 0.0132	- ± -	0.0479	-	-
Bisoprolol	µg/l	1.12 ± 0.196	0.8 ± 0.08	0.235	71.5	-1.26
Carbamazepine	µg/l	0.821 ± 0.0231	0.8 ± 0.08	0.107	97.5	-0.13
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	0.56 ± 0.056	0.0381	103	0.14
Diclofenac	µg/l	0.913 ± 0.106	0.7 ± 0.07	0.21	76.6	-1.21
Ibuprofen	µg/l	0.948 ± 0.0866	0.8 ± 0.08	0.133	84.4	-0.82
Iopamidol	µg/l	1.95 ± 0.125	2 ± 0.2	0.449	103	0.12
Metoprolol	µg/l	0.365 ± 0.0196	0.34 ± 0.034	0.0729	93.3	-0.35
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.5 ± 0.05	0.0937	117	0.73
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.21 ± 0.021	0.023	110	0.43

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	- ± -	0.207	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Dihydroxycarbamazepine					
Acesulfame	µg/l	0.884 ± 0.0932	- ± -	0.15	-
Amidotrizoic acid	µg/l	3.18 ± 0.268	- ± -	0.794	-
Atenolol	µg/l	1.05 ± 0.052	1.1 ± 0.11	0.263	104
Benzotriazole	µg/l	7.74 ± 0.325	- ± -	0.929	-
Bisoprolol	µg/l	1.88 ± 0.267	1.4 ± 0.14	0.32	74.5
Carbamazepine	µg/l	0.925 ± 0.0475	1 ± 0.1	0.12	108
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-
Diazepam	µg/l	0.275 ± 0.0192	0.3 ± 0.03	0.0275	109
Diclofenac	µg/l	4.07 ± 0.211	3.6 ± 0.36	0.569	88.5
Ibuprofen	µg/l	2.26 ± 0.124	2 ± 0.2	0.204	88.4
Iopamidol	µg/l	40 ± 4.79	40 ± 4	9.19	100
Metoprolol	µg/l	0.937 ± 0.106	0.8 ± 0.08	0.206	85.4
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-
Sotalol	µg/l	1.9 ± 0.148	1.8 ± 0.18	0.417	94.9
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.42 ± 0.042	0.0511	98.6



Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	0.885 ± 0.266	0.156	96.4	-0.21
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.23 ± 0.446	0.544	102	0.10
Atenolol	µg/l	0.869 ± 0.031	- ± -	0.217	-	-
Benzotriazole	µg/l	0.399 ± 0.0132	0.448 ± 0.09	0.0479	112	1.02
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.872 ± 0.174	0.107	106	0.48
Cyclamate	µg/l	0.652 ± 0.0208	0.63 ± 0.189	0.196	96.6	-0.11
Diazepam	µg/l	0.544 ± 0.0272	0.572 ± 0.114	0.0381	105	0.74
Diclofenac	µg/l	0.913 ± 0.106	0.954 ± 0.191	0.21	104	0.19
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0.133	-	-
Iopamidol	µg/l	1.95 ± 0.125	1.9 ± 0.379	0.449	97.4	-0.11
Metoprolol	µg/l	0.365 ± 0.0196	0.376 ± 0.075	0.0729	103	0.16
Saccharin	µg/l	- ± -	1.02 ± 0.305	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.594 ± 0.119	0.0937	139	1.80
Sucralose	µg/l	2.93 ± 0.216	2.94 ± 0.881	0.878	100	0.02
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.222 ± 0.044	0.023	116	1.33

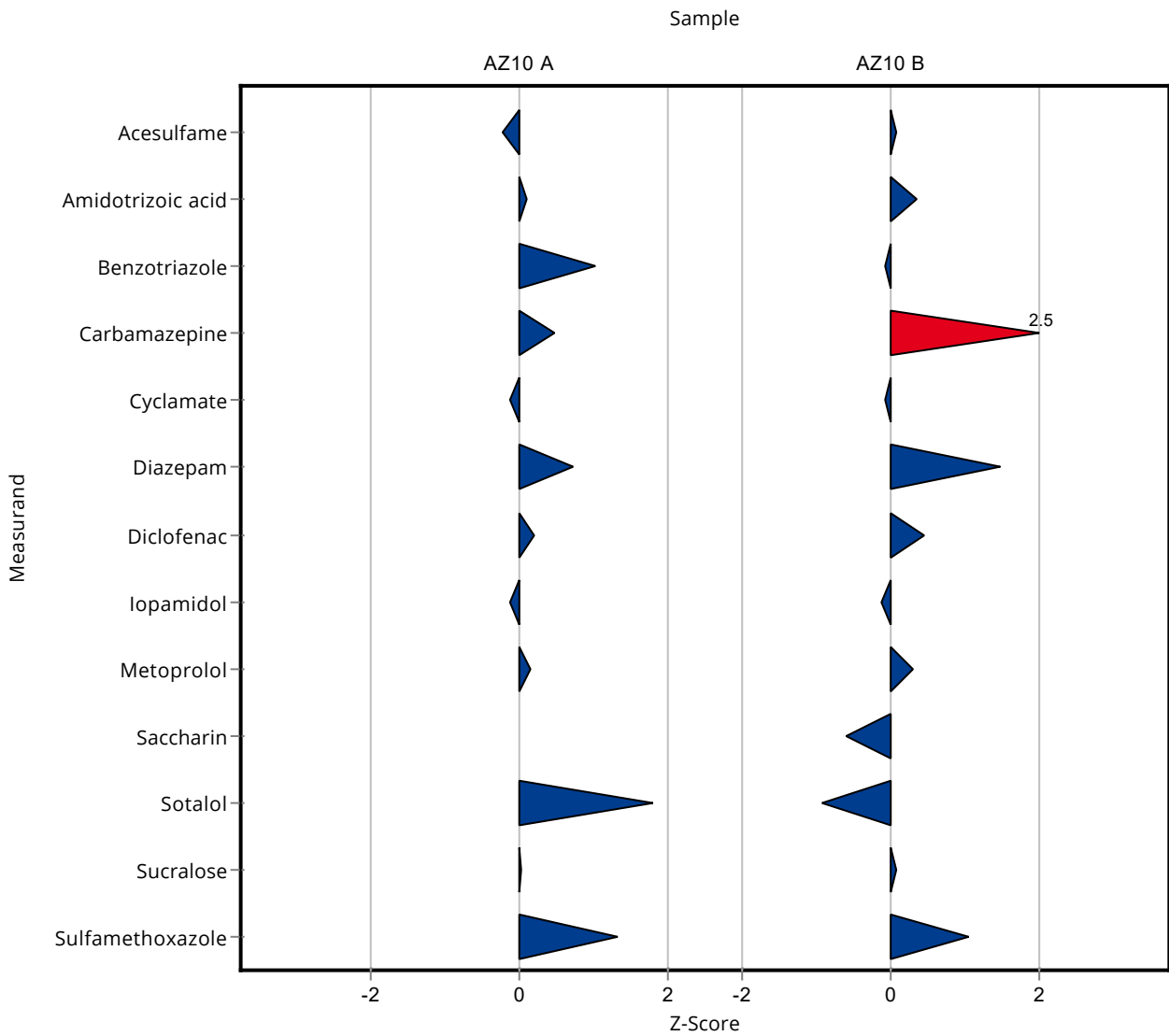
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	- ± -	0.207	-	-
Acesulfame	µg/l	0.884 ± 0.0932	0.895 ± 0.269	0.15	101	0.07
Amidotrizoic acid	µg/l	3.18 ± 0.268	3.46 ± 0.692	0.794	109	0.36
Atenolol	µg/l	1.05 ± 0.052	- ± -	0.263	-	-
Benzotriazole	µg/l	7.74 ± 0.325	7.68 ± 1.54	0.929	99.2	-0.07
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	1.22 ± 0.243	0.12	132	2.46

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0019

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	0.417 ± 0.125	0.128	97.7	-0.08
Diazepam	µg/l	0.275 ± 0.0192	0.315 ± 0.063	0.0275	115	1.47
Diclofenac	µg/l	4.07 ± 0.211	4.32 ± 0.864	0.569	106	0.44
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-	-
Iopamidol	µg/l	40 ± 4.79	38.8 ± 7.76	9.19	97.1	-0.13
Metoprolol	µg/l	0.937 ± 0.106	0.996 ± 0.199	0.206	106	0.29
Saccharin	µg/l	1.02 ± 0.091	0.885 ± 0.266	0.224	86.8	-0.60
Sotalol	µg/l	1.9 ± 0.148	1.51 ± 0.302	0.417	79.6	-0.93
Sucralose	µg/l	26 ± 1.99	26.6 ± 7.98	7.81	102	0.07
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.479 ± 0.096	0.0511	112	1.04



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10 - En-Score

Labcode: LC0019

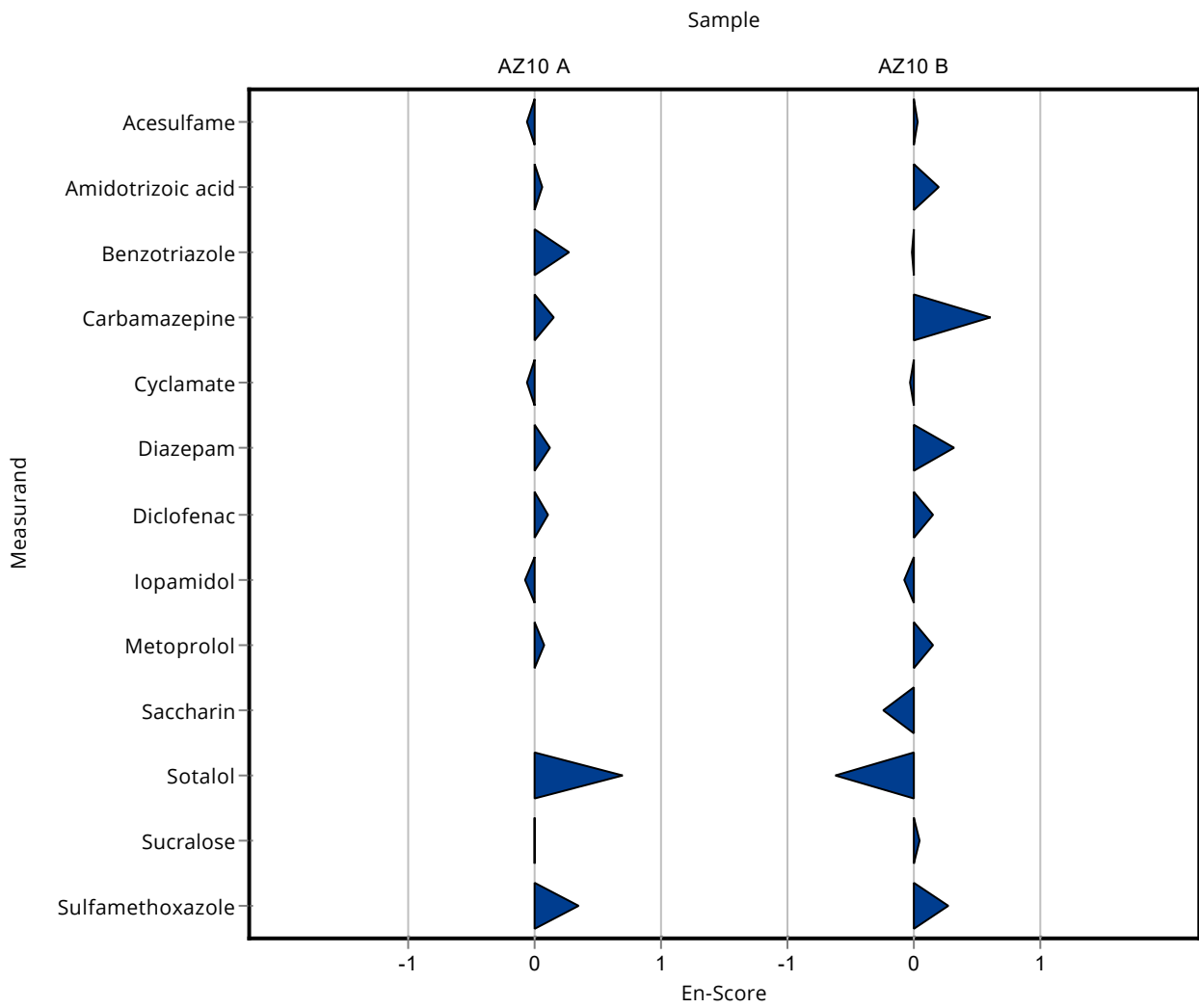
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	0.885 ± 0.266	0.156	96.4	-0.06
Amidotrizoic acid	µg/l	2.18 ± 0.0987	2.23 ± 0.446	0.544	102	0.06
Atenolol	µg/l	0.869 ± 0.031	- ± -	0.217	-	-
Benzotriazole	µg/l	0.399 ± 0.0132	0.448 ± 0.09	0.0479	112	0.27
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.872 ± 0.174	0.107	106	0.15
Cyclamate	µg/l	0.652 ± 0.0208	0.63 ± 0.189	0.196	96.6	-0.06
Diazepam	µg/l	0.544 ± 0.0272	0.572 ± 0.114	0.0381	105	0.12
Diclofenac	µg/l	0.913 ± 0.106	0.954 ± 0.191	0.21	104	0.10
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0.133	-	-
Iopamidol	µg/l	1.95 ± 0.125	1.9 ± 0.379	0.449	97.4	-0.07
Metoprolol	µg/l	0.365 ± 0.0196	0.376 ± 0.075	0.0729	103	0.08
Saccharin	µg/l	- ± -	1.02 ± 0.305	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.594 ± 0.119	0.0937	139	0.70
Sucralose	µg/l	2.93 ± 0.216	2.94 ± 0.881	0.878	100	0.01
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.222 ± 0.044	0.023	116	0.35

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	- ± -	0.207	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery	En-Score	En-Score [%]
Dihydroxycarbamazepine						
Acesulfame	µg/l	0.884 ± 0.0932	0.895 ± 0.269	0.15	101	0.02
Amidotrizoic acid	µg/l	3.18 ± 0.268	3.46 ± 0.692	0.794	109	0.20
Atenolol	µg/l	1.05 ± 0.052	- ± -	0.263	-	-
Benzotriazole	µg/l	7.74 ± 0.325	7.68 ± 1.54	0.929	99.2	-0.02
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	1.22 ± 0.243	0.12	132	0.60
Cyclamate	µg/l	0.427 ± 0.0408	0.417 ± 0.125	0.128	97.7	-0.04
Diazepam	µg/l	0.275 ± 0.0192	0.315 ± 0.063	0.0275	115	0.32
Diclofenac	µg/l	4.07 ± 0.211	4.32 ± 0.864	0.569	106	0.15
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-	-
Iopamidol	µg/l	40 ± 4.79	38.8 ± 7.76	9.19	97.1	-0.07
Metoprolol	µg/l	0.937 ± 0.106	0.996 ± 0.199	0.206	106	0.14
Saccharin	µg/l	1.02 ± 0.091	0.885 ± 0.266	0.224	86.8	-0.25
Sotalol	µg/l	1.9 ± 0.148	1.51 ± 0.302	0.417	79.6	-0.62
Sucralose	µg/l	26 ± 1.99	26.6 ± 7.98	7.81	102	0.04
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.479 ± 0.096	0.0511	112	0.28



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Labcode: LC0020

Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	- ± -	0.156	-	-
Amidotrizoic acid	µg/l	2.18 ± 0.0987	- ± -	0.544	-	-
Atenolol	µg/l	0.869 ± 0.031	- ± -	0.217	-	-
Benzotriazole	µg/l	0.399 ± 0.0132	- ± -	0.0479	-	-
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.821 ± 0.089	0.107	100	0.00
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	- ± -	0.21	-	-
Ibuprofen	µg/l	0.948 ± 0.0866	0.871 ± 0.094	0.133	91.8	-0.58
Iopamidol	µg/l	1.95 ± 0.125	- ± -	0.449	-	-
Metoprolol	µg/l	0.365 ± 0.0196	0.349 ± 0.038	0.0729	95.7	-0.21
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.412 ± 0.044	0.0937	96.8	-0.15
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.211 ± 0.023	0.023	110	0.85

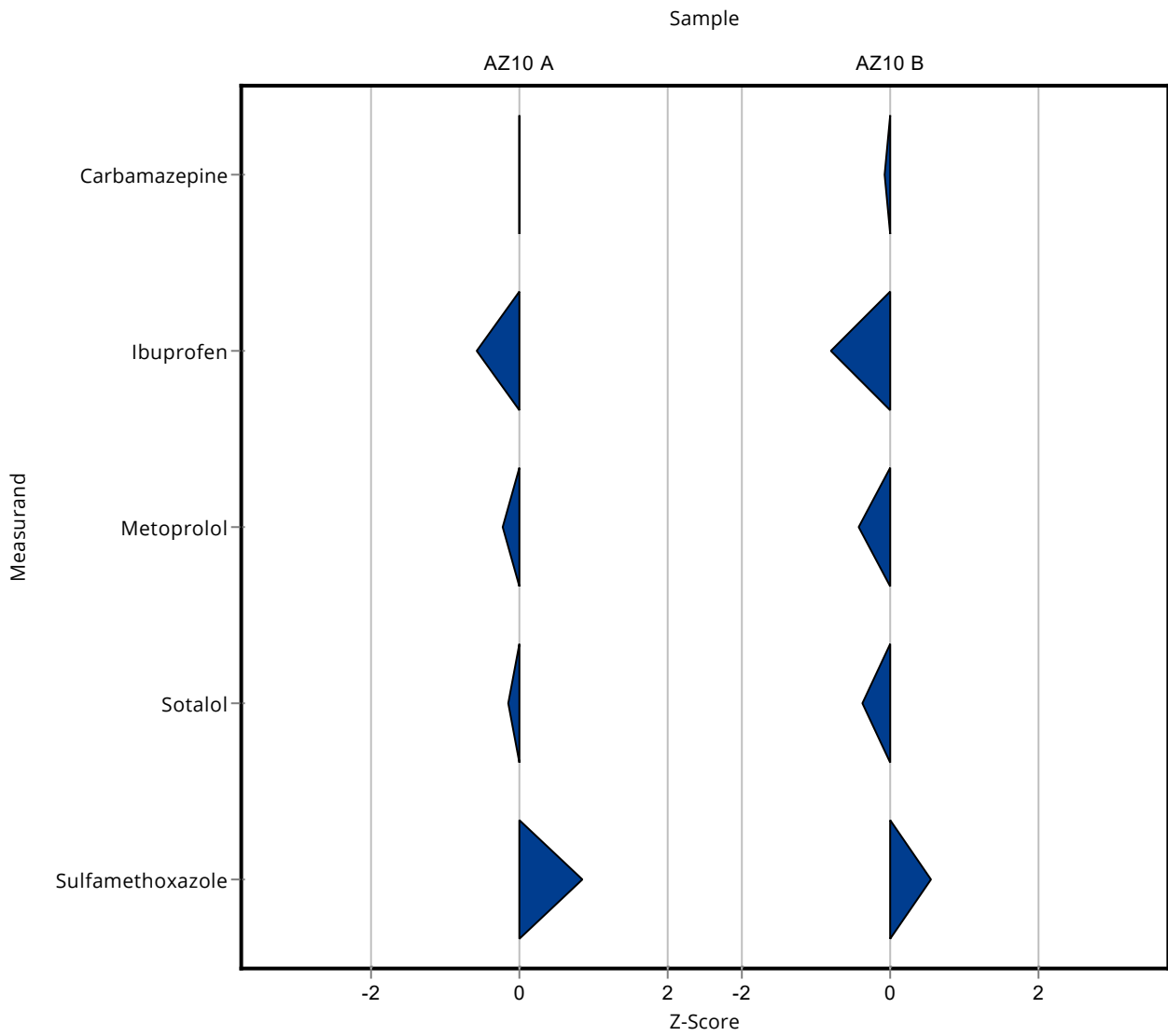
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	- ± -	0.207	-	-
Acesulfame	µg/l	0.884 ± 0.0932	- ± -	0.15	-	-
Amidotrizoic acid	µg/l	3.18 ± 0.268	- ± -	0.794	-	-
Atenolol	µg/l	1.05 ± 0.052	- ± -	0.263	-	-
Benzotriazole	µg/l	7.74 ± 0.325	- ± -	0.929	-	-
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.915 ± 0.25	0.12	99	-0.08

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0020

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-	-
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	- ± -	0.569	-	-
Ibuprofen	µg/l	2.26 ± 0.124	2.1 ± 0.57	0.204	92.9	-0.79
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-	-
Metoprolol	µg/l	0.937 ± 0.106	0.847 ± 0.23	0.206	90.4	-0.43
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	1.74 ± 0.47	0.417	91.7	-0.38
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.454 ± 0.12	0.0511	107	0.55



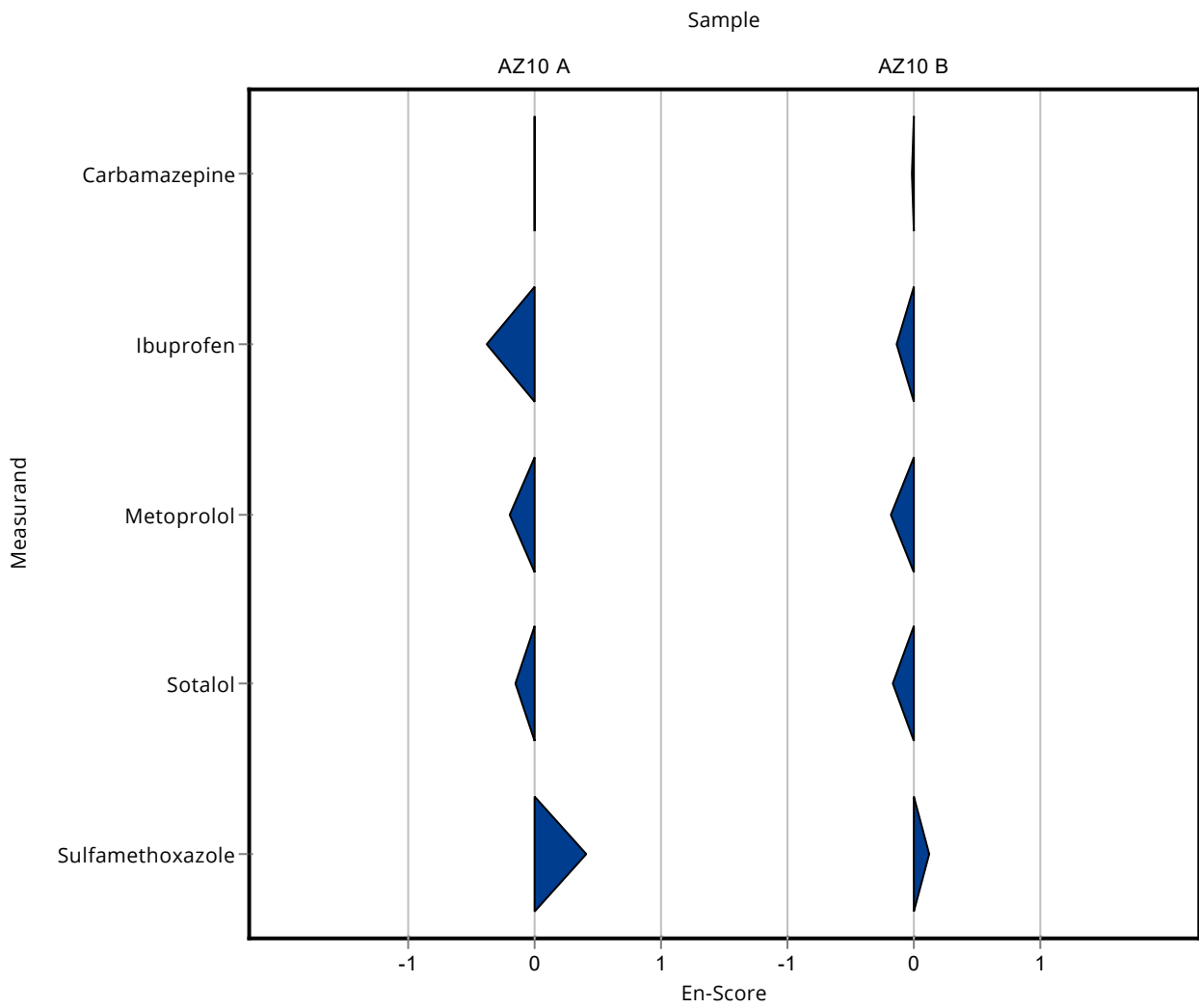
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	- ± -	0.156	-	-
Amidotrizoic acid	µg/l	2.18 ± 0.0987	- ± -	0.544	-	-
Atenolol	µg/l	0.869 ± 0.031	- ± -	0.217	-	-
Benzotriazole	µg/l	0.399 ± 0.0132	- ± -	0.0479	-	-
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	0.821 ± 0.089	0.107	100	0.00
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	- ± -	0.21	-	-
Ibuprofen	µg/l	0.948 ± 0.0866	0.871 ± 0.094	0.133	91.8	-0.37
Iopamidol	µg/l	1.95 ± 0.125	- ± -	0.449	-	-
Metoprolol	µg/l	0.365 ± 0.0196	0.349 ± 0.038	0.0729	95.7	-0.20
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	0.412 ± 0.044	0.0937	96.8	-0.15
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.211 ± 0.023	0.023	110	0.42

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	- ± -	0.207	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Dihydroxycarbamazepine						
Acesulfame	µg/l	0.884 ± 0.0932	- ± -	0.15	-	-
Amidotrizoic acid	µg/l	3.18 ± 0.268	- ± -	0.794	-	-
Atenolol	µg/l	1.05 ± 0.052	- ± -	0.263	-	-
Benzotriazole	µg/l	7.74 ± 0.325	- ± -	0.929	-	-
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	0.915 ± 0.25	0.12	99	-0.02
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-	-
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	- ± -	0.569	-	-
Ibuprofen	µg/l	2.26 ± 0.124	2.1 ± 0.57	0.204	92.9	-0.14
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-	-
Metoprolol	µg/l	0.937 ± 0.106	0.847 ± 0.23	0.206	90.4	-0.19
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	1.74 ± 0.47	0.417	91.7	-0.17
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.454 ± 0.12	0.0511	107	0.12



Summary of results Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10

Labcode: LC0021

Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	- ± -	0.156	-	-
Amidotrizoic acid	µg/l	2.18 ± 0.0987	- ± -	0.544	-	-
Atenolol	µg/l	0.869 ± 0.031	- ± -	0.217	-	-
Benzotriazole	µg/l	0.399 ± 0.0132	- ± -	0.0479	-	-
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	- ± -	0.107	-	-
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	- ± -	0.21	-	-
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0.133	-	-
Iopamidol	µg/l	1.95 ± 0.125	- ± -	0.449	-	-
Metoprolol	µg/l	0.365 ± 0.0196	- ± -	0.0729	-	-
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	- ± -	0.0937	-	-
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.19 ± 0.035	0.023	99.3	-0.06

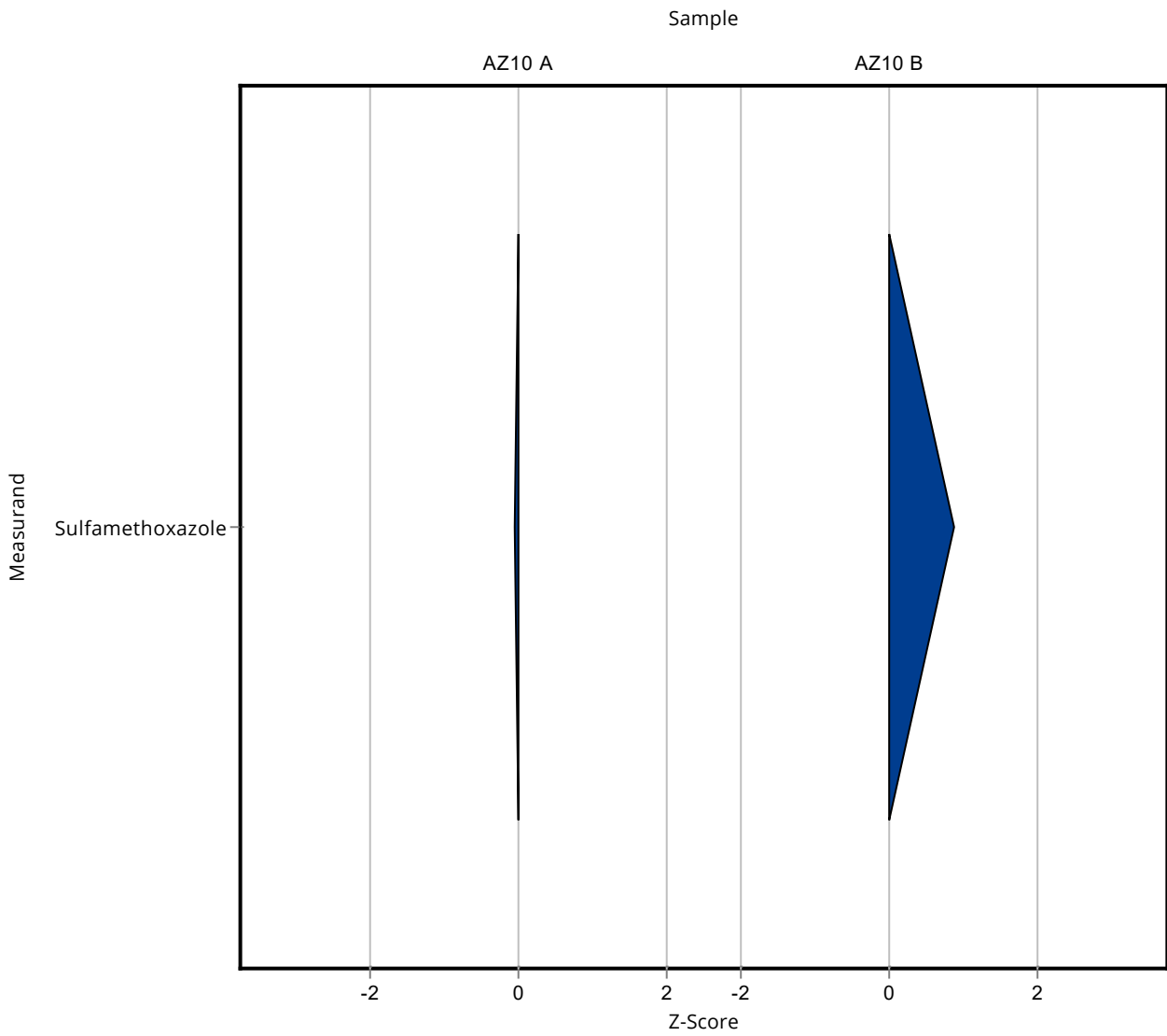
Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	1.38 ± 0.168	- ± -	0.207	-	-
Acesulfame	µg/l	0.884 ± 0.0932	- ± -	0.15	-	-
Amidotrizoic acid	µg/l	3.18 ± 0.268	- ± -	0.794	-	-
Atenolol	µg/l	1.05 ± 0.052	- ± -	0.263	-	-
Benzotriazole	µg/l	7.74 ± 0.325	- ± -	0.929	-	-
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-	-
Carbamazepine	µg/l	0.925 ± 0.0475	- ± -	0.12	-	-

Summary of results Pharmaceuticals, Industrial Chemicals and Artificial
Sweeteners - AZ10

Labcode: LC0021

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-	-
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-	-
Diclofenac	µg/l	4.07 ± 0.211	- ± -	0.569	-	-
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-	-
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-	-
Metoprolol	µg/l	0.937 ± 0.106	- ± -	0.206	-	-
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-	-
Sotalol	µg/l	1.9 ± 0.148	- ± -	0.417	-	-
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.47 ± 0.087	0.0511	110	0.86



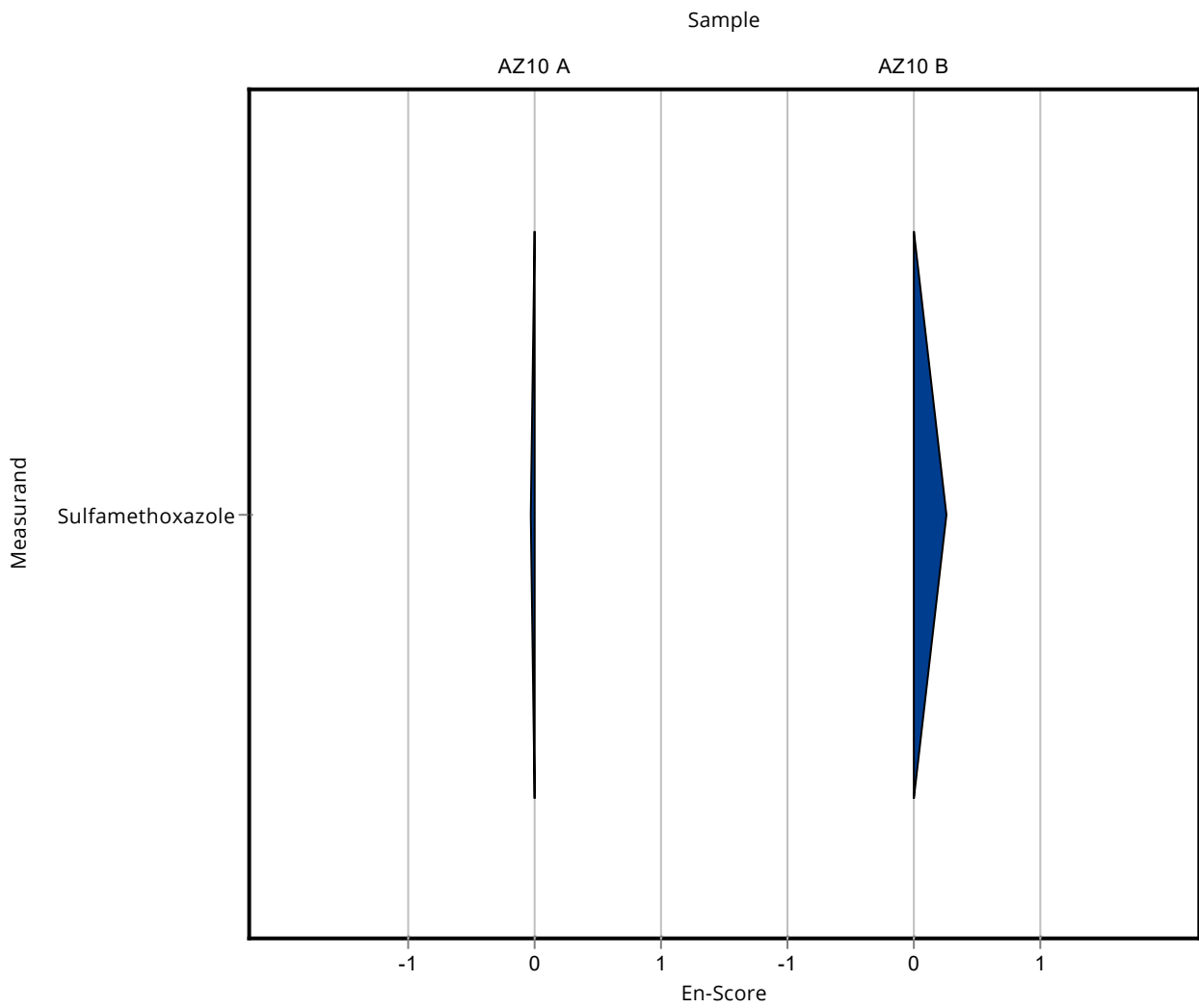
Sample: AZ10A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	µg/l	0.508 ± 0.0779	- ± -	0.0965	-	-
Acesulfame	µg/l	0.918 ± 0.0628	- ± -	0.156	-	-
Amidotrizoic acid	µg/l	2.18 ± 0.0987	- ± -	0.544	-	-
Atenolol	µg/l	0.869 ± 0.031	- ± -	0.217	-	-
Benzotriazole	µg/l	0.399 ± 0.0132	- ± -	0.0479	-	-
Bisoprolol	µg/l	1.12 ± 0.196	- ± -	0.235	-	-
Carbamazepine	µg/l	0.821 ± 0.0231	- ± -	0.107	-	-
Cyclamate	µg/l	0.652 ± 0.0208	- ± -	0.196	-	-
Diazepam	µg/l	0.544 ± 0.0272	- ± -	0.0381	-	-
Diclofenac	µg/l	0.913 ± 0.106	- ± -	0.21	-	-
Ibuprofen	µg/l	0.948 ± 0.0866	- ± -	0.133	-	-
Iopamidol	µg/l	1.95 ± 0.125	- ± -	0.449	-	-
Metoprolol	µg/l	0.365 ± 0.0196	- ± -	0.0729	-	-
Saccharin	µg/l	- ± -	- ± -	-	-	-
Sotalol	µg/l	0.426 ± 0.0203	- ± -	0.0937	-	-
Sucralose	µg/l	2.93 ± 0.216	- ± -	0.878	-	-
Sulfamethoxazole	µg/l	0.191 ± 0.0095	0.19 ± 0.035	0.023	99.3	-0.02

Sample: AZ10B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
4-Acetylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
4-Formylaminoantipyrine	µg/l	- ± -	- ± -	-	-	-
10,11-Dihydro-10,11-	µg/l	1.38 ± 0.168	- ± -	0.207	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion Recovery [%]	En-Score
Dihydroxycarbamazepine					
Acesulfame	µg/l	0.884 ± 0.0932	- ± -	0.15	-
Amidotrizoic acid	µg/l	3.18 ± 0.268	- ± -	0.794	-
Atenolol	µg/l	1.05 ± 0.052	- ± -	0.263	-
Benzotriazole	µg/l	7.74 ± 0.325	- ± -	0.929	-
Bisoprolol	µg/l	1.88 ± 0.267	- ± -	0.32	-
Carbamazepine	µg/l	0.925 ± 0.0475	- ± -	0.12	-
Cyclamate	µg/l	0.427 ± 0.0408	- ± -	0.128	-
Diazepam	µg/l	0.275 ± 0.0192	- ± -	0.0275	-
Diclofenac	µg/l	4.07 ± 0.211	- ± -	0.569	-
Ibuprofen	µg/l	2.26 ± 0.124	- ± -	0.204	-
Iopamidol	µg/l	40 ± 4.79	- ± -	9.19	-
Metoprolol	µg/l	0.937 ± 0.106	- ± -	0.206	-
Saccharin	µg/l	1.02 ± 0.091	- ± -	0.224	-
Sotalol	µg/l	1.9 ± 0.148	- ± -	0.417	-
Sucralose	µg/l	26 ± 1.99	- ± -	7.81	-
Sulfamethoxazole	µg/l	0.426 ± 0.0171	0.47 ± 0.087	0.0511	110



E9. Methodenübersicht / Overview of methods

Labcode	Sample	10,11-Dihydro-10,11-Dihydroxycarbamazepine	4-Acetylaminoantipyrine	4-Formylaminoantipyrine	Acesulfame	Amidotrizoic acid
LC0001	AZ10A	LC-MS/MS direct; DIN 38407-36; DEV F36			LC-MS/MS direct; DIN 38407-36; DEV F36	LC-MS/MS direct; DIN 38407-47; DEV F47
LC0002	AZ10A				LC-MS/MS direct;	LC-MS/MS direct;
LC0003	AZ10A				LC-MS/MS; sweeteners in water	
LC0004	AZ10A			LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0005	AZ10A		LC-HRMS direct; EN ISO 21676; F47	LC-HRMS direct; EN ISO 21676; F47	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; EN ISO 21676; F47
LC0006	AZ10A		LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;
LC0007	AZ10A				LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/4
LC0008	AZ10A	LC-MS/MS direct;			LC-MS/MS direct;	LC-MS/MS direct;
LC0009	AZ10A				LC-MS/MS; house method	LC-MS/MS direct; EN ISO 21676
LC0010	AZ10A				LC-MS/MS direct;	LC-MS/MS direct;
LC0011	AZ10A					
LC0012	AZ10A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ10A				LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	AZ10A				LC-MS/MS; house method	LC-MS/MS; house method
LC0015	AZ10A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; house method	LC-MS/MS direct; EN ISO 21676
LC0016	AZ10A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS;	LC-MS/MS;
LC0017	AZ10A	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0018	AZ10A					
LC0019	AZ10A				LC-MS/MS;	LC-MS/MS;
LC0020	AZ10A					
LC0021	AZ10A					

Labcode	Sample	Atenolol	Benzotriazole	Bisoprolol	Carbamazepine	Cyclamate
LC0001	AZ10A	LC-MS/MS direct; DIN 38407-47; DEV F47	LC-MS/MS direct; DIN 38407-47; DEV F47	LC-MS/MS direct; DIN 38407-47; DEV F47	LC-MS/MS direct; DIN 38407-36; DEV F36	
LC0002	AZ10A	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;
LC0003	AZ10A					LC-MS/MS; sweeteners in water
LC0004	AZ10A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0005	AZ10A	LC-HRMS direct; EN ISO 21676; F47	LC-HRMS direct; DIN 38407-36	LC-HRMS direct; EN ISO 21676; F47	LC-HRMS direct; EN ISO 21676; F47	LC-MS/MS direct; DIN 38407-36
LC0006	AZ10A	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;	
LC0007	AZ10A	LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/2		LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/2
LC0008	AZ10A	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;	
LC0009	AZ10A		LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676	
LC0010	AZ10A	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;	
LC0011	AZ10A					
LC0012	AZ10A	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ10A	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36	
LC0014	AZ10A			LC-MS/MS; house method		LC-MS/MS; house method
LC0015	AZ10A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; house method	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; house method
LC0016	AZ10A		LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS;
LC0017	AZ10A	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0018	AZ10A	LC-MS/MS; WBSE-124		LC-MS/MS; WBSE-124	LC-MS/MS; WBSE-124	
LC0019	AZ10A		LC-MS/MS;		LC-MS/MS;	LC-MS/MS;
LC0020	AZ10A				LC-MS/MS direct; EN ISO 21676; F47	
LC0021	AZ10A					

Labcode	Sample	Diazepam	Diclofenac	Ibuprofen	Iopamidol	Metoprolol
LC0001	AZ10A	LC-MS/MS direct; DIN 38407-47; DEV F47	GC/MS (SPE, derivatization); EN ISO 15913; DEV F20 (ed.)	GC/MS (SPE, derivatization); EN ISO 15913; DEV F20	LC-MS/MS direct; DIN 38407-47; DEV F47	LC-MS/MS direct; DIN 38407-47; DEV F47
LC0002	AZ10A		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0003	AZ10A					
LC0004	AZ10A					LC-MS/MS direct; EN ISO 21676
LC0005	AZ10A	LC-HRMS direct; EN ISO 21676; F47	LC-HRMS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-HRMS direct; EN ISO 21676; F47
LC0006	AZ10A		LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;
LC0007	AZ10A		LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/4	LC-MS/MS direct; ML 074/4	LC-MS/MS direct; ML 074/2
LC0008	AZ10A		LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;
LC0009	AZ10A		LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676	
LC0010	AZ10A		LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;
LC0011	AZ10A					
LC0012	AZ10A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ10A		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36
LC0014	AZ10A				LC-MS/MS; house method	
LC0015	AZ10A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0016	AZ10A	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS;	LC-MS/MS direct;
LC0017	AZ10A		LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0018	AZ10A	LC-MS/MS; WBSE-124	LC-MS/MS; WBSE-124	LC-MS/MS; WBSE-124	LC-MS/MS; WBSE-124; EPA Method 1694	LC-MS/MS; WBSE-124
LC0019	AZ10A	LC-MS/MS;	LC-MS/MS;		LC-MS/MS;	LC-MS/MS;
LC0020	AZ10A			LC-MS/MS direct; EN ISO 21676; F47		LC-MS/MS direct; EN ISO 21676; F47
LC0021	AZ10A					

Labcode	Sample	Saccharin	Sotalol	Sucralose	Sulfamethoxazole
LC0001	AZ10A		LC-MS/MS direct; DIN 38407-47; DEV F47		LC-MS/MS direct; DIN 38407-36; DEV F36
LC0002	AZ10A	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0003	AZ10A	LC-MS/MS; sweeteners in water		LC-MS/MS; sweeteners in water	
LC0004	AZ10A	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676
LC0005	AZ10A	LC-MS/MS direct; DIN 38407-36	LC-HRMS direct; EN ISO 21676; F47	LC-MS/MS direct; DIN 38407-36	LC-HRMS direct; EN ISO 21676; F47
LC0006	AZ10A		LC-MS/MS direct;		LC-MS/MS direct;
LC0007	AZ10A		LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/2
LC0008	AZ10A		LC-MS/MS direct;		LC-MS/MS direct;
LC0009	AZ10A				LC-MS/MS direct; EN ISO 21676
LC0010	AZ10A		LC-MS/MS direct;		LC-MS/MS direct;
LC0011	AZ10A				
LC0012	AZ10A		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ10A		LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36
LC0014	AZ10A	LC-MS/MS; house method		LC-MS/MS; house method	LC-MS/MS; house method
LC0015	AZ10A	LC-MS/MS; house method	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676
LC0016	AZ10A	LC-MS/MS;	LC-MS/MS direct;	LC-MS/MS;	LC-MS/MS direct;
LC0017	AZ10A		LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0018	AZ10A		LC-MS/MS; WBSE- 124		LC-MS/MS; WBSE- 124
LC0019	AZ10A	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0020	AZ10A		LC-MS/MS direct; EN ISO 21676; F47		LC-MS/MS direct; EN ISO 21676; F47
LC0021	AZ10A				

LabCode	Sample	10,11-Dihydro-10,11-Dihydroxycarbamazepine	4-Acetylaminoantipyrine	4-Formylaminoantipyrine	Acesulfame	Amidotrizoic acid
LC0001	AZ10B	LC-MS/MS direct; DIN 38407-36; DEV F36			LC-MS/MS direct; DIN 38407-36; DEV F36	LC-MS/MS direct; DIN 38407-47; DEV F47
LC0002	AZ10B				LC-MS/MS direct;	LC-MS/MS direct;
LC0003	AZ10B				LC-MS/MS; sweeteners in water	
LC0004	AZ10B			LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0005	AZ10B		LC-HRMS direct; EN ISO 21676; F47	LC-HRMS direct; EN ISO 21676; F47	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; EN ISO 21676; F47
LC0006	AZ10B		LC-MS/MS direct;			
LC0007	AZ10B				LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/4
LC0008	AZ10B	LC-MS/MS direct;			LC-MS/MS direct;	LC-MS/MS direct;
LC0009	AZ10B				LC-MS/MS; house method	LC-MS/MS direct; EN ISO 21676
LC0010	AZ10B				LC-MS/MS direct;	LC-MS/MS direct;
LC0011	AZ10B					
LC0012	AZ10B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ10B				LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36
LC0014	AZ10B				LC-MS/MS; house method	LC-MS/MS; house method
LC0015	AZ10B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; house method	LC-MS/MS direct; EN ISO 21676
LC0016	AZ10B	LC-MS/MS direct;			LC-MS/MS;	LC-MS/MS;
LC0017	AZ10B	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0018	AZ10B					
LC0019	AZ10B				LC-MS/MS;	LC-MS/MS;
LC0020	AZ10B					
LC0021	AZ10B					

LabCode	Sample	Atenolol	Benzotriazole	Bisoprolol	Carbamazepine	Cyclamate
LC0001	AZ10B	LC-MS/MS direct; DIN 38407-47; DEV F47	LC-MS/MS direct; DIN 38407-47; DEV F47	LC-MS/MS direct; DIN 38407-47; DEV F47	LC-MS/MS direct; DIN 38407-36; DEV F36	
LC0002	AZ10B	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;
LC0003	AZ10B					LC-MS/MS; sweeteners in water
LC0004	AZ10B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0005	AZ10B	LC-HRMS direct; EN ISO 21676; F47	LC-HRMS direct; DIN 38407-36	LC-HRMS direct; EN ISO 21676; F47	LC-HRMS direct; EN ISO 21676; F47	LC-MS/MS direct; DIN 38407-36
LC0006	AZ10B	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;	
LC0007	AZ10B	LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/2		LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/2
LC0008	AZ10B	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;	
LC0009	AZ10B		LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676	
LC0010	AZ10B	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;	
LC0011	AZ10B					
LC0012	AZ10B	LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ10B	LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36	
LC0014	AZ10B			LC-MS/MS; house method		LC-MS/MS; house method
LC0015	AZ10B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; house method	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS; house method
LC0016	AZ10B				LC-MS/MS direct;	LC-MS/MS;
LC0017	AZ10B	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0018	AZ10B	LC-MS/MS; WBSE-124		LC-MS/MS; WBSE-124	LC-MS/MS; WBSE-124	
LC0019	AZ10B		LC-MS/MS;		LC-MS/MS;	LC-MS/MS;
LC0020	AZ10B				LC-MS/MS direct; EN ISO 21676; F47	
LC0021	AZ10B					

LabCode	Sample	Diazepam	Diclofenac	Ibuprofen	Iopamidol	Metoprolol
LC0001	AZ10B	LC-MS/MS direct; DIN 38407-47; DEV F47	GC/MS (SPE, derivatization); EN ISO 15913; DEV F20	GC/MS (SPE, derivatization); EN ISO 15913; DEV F20	LC-MS/MS direct; DIN 38407-47; DEV F47	LC-MS/MS direct; DIN 38407-47; DEV F47
LC0002	AZ10B		LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;
LC0003	AZ10B					
LC0004	AZ10B					LC-MS/MS direct; EN ISO 21676
LC0005	AZ10B	LC-HRMS direct; EN ISO 21676; F47	LC-HRMS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-HRMS direct; EN ISO 21676; F47
LC0006	AZ10B		LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;
LC0007	AZ10B		LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/4	LC-MS/MS direct; ML 074/4	LC-MS/MS direct; ML 074/2
LC0008	AZ10B		LC-MS/MS direct;	LC-MS/MS direct;		LC-MS/MS direct;
LC0009	AZ10B		LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676	
LC0010	AZ10B		LC-MS/MS direct;		LC-MS/MS direct;	LC-MS/MS direct;
LC0011	AZ10B					
LC0012	AZ10B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ10B		LC-MS/MS direct; DIN 38407-36	LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36
LC0014	AZ10B				LC-MS/MS; house method	
LC0015	AZ10B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676
LC0016	AZ10B	LC-MS/MS direct;			LC-MS/MS;	LC-MS/MS direct;
LC0017	AZ10B		LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0018	AZ10B	LC-MS/MS; WBSE-124	LC-MS/MS; WBSE-124	LC-MS/MS; WBSE-124	LC-MS/MS; WBSE-124; EPA Method 1694	LC-MS/MS; WBSE-124
LC0019	AZ10B	LC-MS/MS;	LC-MS/MS;		LC-MS/MS;	LC-MS/MS;
LC0020	AZ10B			LC-MS/MS direct; EN ISO 21676; F47		LC-MS/MS direct; EN ISO 21676; F47
LC0021	AZ10B					

LabCode	Sample	Saccharin	Sotalol	Sucralose	Sulfamethoxazole
LC0001	AZ10B		LC-MS/MS direct; DIN 38407-47; DEV F47		LC-MS/MS direct; DIN 38407-36; DEV F36
LC0002	AZ10B	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0003	AZ10B	LC-MS/MS; sweeteners in water		LC-MS/MS; sweeteners in water	
LC0004	AZ10B	LC-MS/MS direct; EN ISO 21676	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676
LC0005	AZ10B	LC-MS/MS direct; DIN 38407-36	LC-HRMS direct; EN ISO 21676; F47	LC-MS/MS direct; DIN 38407-36	LC-HRMS direct; EN ISO 21676; F47
LC0006	AZ10B		LC-MS/MS direct;		LC-MS/MS direct;
LC0007	AZ10B		LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/2	LC-MS/MS direct; ML 074/2
LC0008	AZ10B		LC-MS/MS direct;		LC-MS/MS direct;
LC0009	AZ10B				LC-MS/MS direct; EN ISO 21676
LC0010	AZ10B		LC-MS/MS direct;		LC-MS/MS direct;
LC0011	AZ10B				
LC0012	AZ10B		LC-MS/MS direct;	LC-MS/MS direct;	LC-MS/MS direct;
LC0013	AZ10B		LC-MS/MS direct; DIN 38407-36		LC-MS/MS direct; DIN 38407-36
LC0014	AZ10B	LC-MS/MS; house method		LC-MS/MS; house method	LC-MS/MS; house method
LC0015	AZ10B	LC-MS/MS; house method	LC-MS/MS direct; EN ISO 21676		LC-MS/MS direct; EN ISO 21676
LC0016	AZ10B	LC-MS/MS;		LC-MS/MS;	LC-MS/MS direct;
LC0017	AZ10B		LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47	LC-MS/MS direct; EN ISO 21676; F47
LC0018	AZ10B		LC-MS/MS; WBSE- 124		LC-MS/MS; WBSE- 124
LC0019	AZ10B	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;	LC-MS/MS;
LC0020	AZ10B		LC-MS/MS direct; EN ISO 21676; F47		LC-MS/MS direct; EN ISO 21676; F47
LC0021	AZ10B				LC-MS/MS;