

Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
4-Acetylaminoantipyrine	AZ12 A*	µg/l	- ±	-	-	-
	AZ12 B*	µg/l	- ±	-	-	-
4-Formylaminoantipyrine	AZ12 A*	µg/l	- ±	-	-	-
	AZ12 B*	µg/l	- ±	-	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	AZ12 A*	µg/l	- ±	-	-	-
	AZ12 B*	µg/l	- ±	-	-	-
Acesulfame	AZ12 A	µg/l	0.245 ±	0.0196	0.0416	17
	AZ12 B	µg/l	1.09 ±	0.0597	0.185	17
Amidotrizoic acid	AZ12 A	µg/l	0.192 ±	0.0133	0.0384	20
	AZ12 B	µg/l	1.19 ±	0.0758	0.237	20
Atenolol	AZ12 A	µg/l	0.134 ±	0.00737	0.0268	20
	AZ12 B	µg/l	0.222 ±	0.0313	0.0445	20
Benzotriazole	AZ12 A	µg/l	0.294 ±	0.013	0.0352	12
	AZ12 B	µg/l	7.12 ±	0.405	0.855	12
Bisoprolol	AZ12 A*	µg/l	- ±	-	-	-
	AZ12 B*	µg/l	- ±	-	-	-
Carbamazepine	AZ12 A	µg/l	0.152 ±	0.0109	0.0198	13
	AZ12 B	µg/l	0.405 ±	0.0203	0.0527	13
Cyclamate	AZ12 A	µg/l	0.174 ±	0.0371	0.0522	30
	AZ12 B	µg/l	0.16 ±	0.0189	0.032	20
Diazepam	AZ12 A*	µg/l	- ±	-	-	-
	AZ12 B*	µg/l	- ±	-	-	-
Diclofenac	AZ12 A	µg/l	0.152 ±	0.0295	0.0545	36
	AZ12 B	µg/l	3.24 ±	0.195	0.454	14
Ibuprofen	AZ12 A	µg/l	0.285 ±	0.0191	0.0342	12
	AZ12 B	µg/l	1.31 ±	0.127	0.157	12
Iopamidol	AZ12 A	µg/l	0.516 ±	0.0392	0.119	23
	AZ12 B	µg/l	43.5 ±	2.59	10	23
Metoprolol	AZ12 A	µg/l	0.159 ±	0.00712	0.0319	20
	AZ12 B	µg/l	0.188 ±	0.0066	0.0375	20
Saccharin	AZ12 A	µg/l	0.324 ±	0.0254	0.0485	15
	AZ12 B*	µg/l	- ±	-	-	-
Sotalol	AZ12 A	µg/l	0.194 ±	0.0195	0.0427	22
	AZ12 B	µg/l	0.169 ±	0.0253	0.0372	22
Sucralose	AZ12 A	µg/l	1.11 ±	0.132	0.277	25
	AZ12 B	µg/l	26.2 ±	5.79	8.11	31

Table of assigned values Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ12

1st Edition, 11.04.2025

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
Sulfamethoxazole	AZ12 A	µg/l	0.136 ±	0.00741	0.0163	12
	AZ12 B	µg/l	0.339 ±	0.0397	0.0745	22

* For the following substances there are too few laboratory results available (n<6), therefore the calculated mean values MV±/ U(k=2) based on the data of the (accredited) laboratories (n) after outlier removal are given for information.

These can be used for comparison as part of your internal QA measures.

4-Acetylaminoantipyrine

AZ12 A: MV (n=5) +/- U(k=2): 0.218 +/- 0.0221 µg/l

AZ12 B: MV (n=4) +/- U(k=2): 2.04 +/- 0.263 µg/l

4-Formylaminoantipyrine

AZ12 A: MV (n=4; accr.) +/- U(k=2): 0.223 +/- 0.0481 µg/l

AZ12 B: MV (n=4; accr.) +/- U(k=2): 6.07 +/- 1.74 µg/l

10,11-Dihydro-10,11-Dihydroxycarbamazepine

AZ12 A: MV (n=4; accr.) +/- U(k=2): 0.335 +/- 0.027 µg/l

AZ12 B: MV (n=4; accr.) +/- U(k=2): 0.912 +/- 0.195 µg/l

Bisoprolol

AZ12 A: MV (n=5) +/- U(k=2): 0.151 +/- 0.0129 µg/l

AZ12 B: MV (n=5) +/- U(k=2): 0.366 +/- 0.0187 µg/l

Diazepam

AZ12 A: MV (n=4; accr.) +/- U(k=2): 0.458 +/- 0.028 µg/l

AZ12 B: MV (n=4; accr.) +/- U(k=2): 0.529 +/- 0.0229 µg/l

Saccharin

AZ12 B: MV (n=5; accr.) +/- U(k=2): 3.42 +/- 0.282 µg/l

Legend:

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)
Criterion	Specified value for the determination of the z-score in the given unit (3 significant digits)
Criterion [%]	Specified value for the determination of the z-score in % of the assigned value (2 significant digits)