

Table of assigned values

Parameter	Sample	Unit	Assigned value ± U (k=2)	Criterion	Criterion [%]
4-Acetylaminoantipyrine	AZ13 A	µg/l	0.398 ± 0.0343	0.0518	13
	AZ13 B	µg/l	3.94 ± 0.481	0.631	16
4-Formylaminoantipyrine	AZ13 A	µg/l	0.184 ± 0.0288	0.0386	21
	AZ13 B*	µg/l	- ± -	-	-
10,11-Dihydro-10,11-Dihydroxycarbamazepine	AZ13 A	µg/l	0.0947 ± 0.0157	0.0189	20
	AZ13 B	µg/l	0.98 ± 0.188	0.235	24
Acesulfame	AZ13 A	µg/l	0.317 ± 0.0186	0.0539	17
	AZ13 B	µg/l	0.735 ± 0.0494	0.125	17
Amidotrizoic acid	AZ13 A	µg/l	0.22 ± 0.0192	0.044	20
	AZ13 B	µg/l	1.36 ± 0.108	0.272	20
Atenolol	AZ13 A	µg/l	0.327 ± 0.0367	0.0655	20
	AZ13 B	µg/l	0.248 ± 0.0203	0.0497	20
Benzotriazole	AZ13 A	µg/l	0.0794 ± 0.00279	0.00953	12
	AZ13 B	µg/l	4.8 ± 0.293	0.624	13
Bisoprolol	AZ13 A	µg/l	0.189 ± 0.0306	0.0398	21
	AZ13 B	µg/l	0.447 ± 0.0529	0.0848	19
Carbamazepine	AZ13 A	µg/l	0.167 ± 0.0143	0.0301	18
	AZ13 B	µg/l	0.366 ± 0.0336	0.0731	20
Cyclamate	AZ13 A	µg/l	0.171 ± 0.0189	0.0342	20
	AZ13 B	µg/l	0.338 ± 0.0312	0.0677	20
Diazepam	AZ13 A*	µg/l	- ± -	-	-
	AZ13 B*	µg/l	- ± -	-	-
Diclofenac	AZ13 A	µg/l	0.175 ± 0.00654	0.0245	14
	AZ13 B	µg/l	2.76 ± 0.161	0.387	14
Ibuprofen	AZ13 A	µg/l	0.258 ± 0.0363	0.0645	25
	AZ13 B	µg/l	0.688 ± 0.102	0.179	26
Iopamidol	AZ13 A	µg/l	0.348 ± 0.0479	0.087	25
	AZ13 B	µg/l	50 ± 4.77	10	20
Metoprolol	AZ13 A	µg/l	0.192 ± 0.00971	0.0327	17

Parameter	Sample	Unit	Assigned value ± U (k=2)	Criterion	Criterion [%]
Metoprolol	AZ13 B	µg/l	0.187 ± 0.016	0.0318	17
Saccharin	AZ13 A	µg/l	0.389 ± 0.0585	0.101	26
	AZ13 B	µg/l	23.3 ± 1.28	3.5	15
Sotalol	AZ13 A	µg/l	0.426 ± 0.0424	0.0937	22
	AZ13 B	µg/l	0.17 ± 0.0154	0.0373	22
Sucralose	AZ13 A	µg/l	0.629 ± 0.074	0.157	25
	AZ13 B	µg/l	33.4 ± 5.21	8.69	26
Sulfamethoxazole	AZ13 A	µg/l	0.176 ± 0.00987	0.0212	12
	AZ13 B	µg/l	0.146 ± 0.00868	0.0175	12

* 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-Formylaminoantipyrine

AZ13 B: MV (n=4, accr.) +/- U(k=2): 6.49 +/- 0.66 µg/l

Diazepam

AZ13 A: MV (n=3, accr.) +/- U(k=2): 0.124 +/- 0.00176 µg/l

AZ13 B: MV (n=4, accr.) +/- U(k=2): 1.16 +/- 0.0722 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)