Table of assigned values Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners - AZ10
1st Edition, 21.04.2023

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
	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 + /- 0.051µg/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)

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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)