

Table of assigned values Pesticides H114

1st Edition, 17.11.2022

Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
Acetamiprid	H114 A	µg/l	0.405 ±	0.0168	0.0405	10
	H114 B	µg/l	1.22 ±	0.0754	0.122	10
Aldrin	H114 A	µg/l	0.137 ±	0.0149	0.0412	30
	H114 B	µg/l	0.674 ±	0.0955	0.202	30
Atrazine	H114 A	µg/l	0.211 ±	0.0115	0.0232	11
	H114 B	µg/l	1.89 ±	0.163	0.208	11
Atrazine-desethyl	H114 A	µg/l	0.225 ±	0.0125	0.027	12
	H114 B	µg/l	2.12 ±	0.139	0.254	12
Atrazine-desisopropyl	H114 A	µg/l	0.303 ±	0.023	0.0424	14
	H114 B	µg/l	2.28 ±	0.151	0.32	14
Bromacil	H114 A	µg/l	0.222 ±	0.0115	0.0311	14
	H114 B	µg/l	1.77 ±	0.171	0.248	14
Clothianidin	H114 A	µg/l	0.123 ±	0.0024	0.0135	11
	H114 B	µg/l	1.89 ±	0.180	0.208	11
Cyanazine	H114 A	µg/l	0.195 ±	0.0139	0.0274	14
	H114 B	µg/l	2.81 ±	0.19	0.393	14
Dieldrin	H114 A	µg/l	0.174 ±	0.0139	0.04	23
	H114 B	µg/l	0.487 ±	0.0518	0.112	23
Dinotefurane*	H114 A	µg/l	- ±	-	-	-
	H114 B	µg/l	- ±	-	-	-
Endrin	H114 A	µg/l	0.147 ±	0.0363	0.0543	37
	H114 B	µg/l	0.428 ±	0.0902	0.111	26
Heptachlor	H114 A	µg/l	0.108 ±	0.0312	0.0433	40
	H114 B	µg/l	0.349 ±	0.0655	0.14	40
Imidacloprid	H114 A	µg/l	0.419 ±	0.0225	0.0628	15
	H114 B	µg/l	2.18 ±	0.116	0.327	15
Lindane (Gamma-HCH)	H114 A	µg/l	0.135 ±	0.00809	0.0269	20
	H114 B	µg/l	0.729 ±	0.0329	0.146	20
Nitenpyram*	H114 A	µg/l	- ±	-	-	-
	H114 B	µg/l	- ±	-	-	-
Prometryn	H114 A	µg/l	0.237 ±	0.00991	0.0308	13
	H114 B	µg/l	2.24 ±	0.107	0.291	13
Propazine	H114 A	µg/l	0.06 ±	0.00973	0.0174	29
	H114 B	µg/l	2.02 ±	0.141	0.262	13
Sum Chlordane	H114 A	µg/l	0.0674 ±	0.00891	0.0202	30
	H114 B	µg/l	0.639 ±	0.136	0.192	30
Sum DDD	H114 A	µg/l	0.251 ±	0.0259	0.0752	30
	H114 B	µg/l	0.623 ±	0.105	0.187	30
Sum DDE*	H114 A	µg/l	0.233 ±	0.0583	0.0769	33
	H114 B	µg/l	- ±	-	-	-
Sum DDT*	H114 A	µg/l	- ±	-	-	-
	H114 B	µg/l	- ±	-	-	-
Sum Endosulfan	H114 A	µg/l	0.228 ±	0.0326	0.0933	41
	H114 B	µg/l	0.666 ±	0.14	0.273	41
Thiacloprid	H114 A	µg/l	0.102 ±	0.0048	0.0142	14
	H114 B	µg/l	2.39 ±	0.113	0.334	14
Thiamethoxam	H114 A	µg/l	0.122 ±	0.0083	0.0208	17
	H114 B	µg/l	2.07 ±	0.102	0.352	17

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*Due to the small number of submitted results (Dinotefuran, Nitenpyram) or a too high scatter between the results of the participating laboratories (Sum DDT, Sum DDE) the definition of an assigned value is not possible.

For the following substances, the calculated mean values MV +/- U(k=2) based on the data of the accredited laboratories (n) are listed for Information.

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

Dinotefuran:

H114 A: (n=2) 0.132 +/- 0.063 µg/l U(k=2)

H114 B: (n=2) 1.848 +/- 0.204 µg/l U(k=2)

Nitenpyram:

H114 A: (n=4) 0.0966 +/- 0.0545 µg/l U(k=2)

H114 B: (n=4) 2.11 +/- 0.966 µg/l U(k=2)

Sum DDT:

H114 A: (n=4) 0.184 +/- 0.0285 µg/l U(k=2)

H114 B: (n=4) 0.469 +/- 0.0440 µg/l U(k=2)

Sum DDE:

H114 B: (n=7) 0.423 +/- 0.177 µg/l U(k=2)

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)