

Table of assigned values Pesticides H113

1st Edition, 28.07.2022

Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
2,4,5-Trichlorophenoxyacetic acid	H113 A	µg/l	0.579 ±	0.0539	0.104	18
	H113 B	µg/l	0.922 ±	0.0983	0.166	18
2,4-D (2,4-Dichlorphenoxyacetic acid)	H113 A	µg/l	0.221 ±	0.0163	0.031	14
	H113 B	µg/l	0.589 ±	0.0333	0.0824	14
Alachlor	H113 A	µg/l	0.379 ±	0.0178	0.0455	12
	H113 B	µg/l	0.72 ±	0.0559	0.0864	12
Alachlor-t-acid (Alachlor-OA)	H113 A	µg/l	0.155 ±	0.0123	0.0232	15
	H113 B	µg/l	0.744 ±	0.0777	0.112	15
Alachlor-t-sulfonic acid (Alachlor-ESA)	H113 A	µg/l	0.406 ±	0.0301	0.0528	13
	H113 B	µg/l	0.39 ±	0.0361	0.0507	13
AMPA	H113 A	µg/l	0.303 ±	0.0248	0.0394	13
	H113 B	µg/l	0.298 ±	0.0135	0.0388	13
Bentazone	H113 A	µg/l	0.463 ±	0.0225	0.0695	15
	H113 B	µg/l	0.483 ±	0.0234	0.0724	15
Chlorothalonil Metabolite R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid)**	H113 A	µg/l	0.291 ±	0.0382	0.0495	17
	H113 B	µg/l	0.305 ±	0.0342	0.0457	15
Chlorothalonil sulfonic acid (Chlorothalonil-ESA)**	H113 A	µg/l	0.678 ±	0.136	0.183	27
	H113 B	µg/l	0.333 ±	0.0423	0.0567	17
Dicamba	H113 A	µg/l	0.635 ±	0.0644	0.127	20
	H113 B	µg/l	0.235 ±	0.00669	0.0469	20
Dichlorprop	H113 A	µg/l	0.741 ±	0.041	0.0889	12
	H113 B	µg/l	0.36 ±	0.0208	0.0432	12
Dimethachlor Metabolite - CGA 369873**	H113 A	µg/l	- ±	-	-	-
	H113 B	µg/l	0.369 ±	0.0435	0.0776	21
Glufosinate*	H113 A	µg/l	0.189 ±	0.0174	0.0643	34
	H113 B	µg/l	- ±	-	-	-
Glyphosate***	H113 A	µg/l	- ±	-	-	-
	H113 B	µg/l	0.739 ±	0.0169	0.148	20
MCP (Mecoprop)	H113 A	µg/l	0.146 ±	0.00838	0.019	13
	H113 B	µg/l	0.138 ±	0.00484	0.018	13
Metazachlor	H113 A	µg/l	0.199 ±	0.0091	0.0239	12
	H113 B	µg/l	0.439 ±	0.0168	0.0527	12
Metazachlor ethane sulfonic acid (Metazachlor-ESA)	H113 A	µg/l	0.132 ±	0.011	0.025	19
	H113 B	µg/l	0.291 ±	0.0291	0.0553	19
Metazachlor oxanilic acid (Metazachlor-OA)	H113 A	µg/l	0.49 ±	0.0451	0.103	21
	H113 B	µg/l	0.232 ±	0.039	0.0486	21
Metolachlor	H113 A	µg/l	0.283 ±	0.0196	0.0424	15
	H113 B	µg/l	0.814 ±	0.0297	0.122	15
s-Metolachlor ethanesulfonic acid	H113 A	µg/l	0.694 ±	0.134	0.139	20

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(Metolachlor-ESA)						
	H113 B	µg/l	0.196 ±	0.0331	0.0391	20
s-Metolachlor oxanilic acid	H113 A	µg/l	0.276 ±	0.0326	0.0386	14
(Metolachlor-OA)						
	H113 B	µg/l	0.642 ±	0.131	0.0898	14
Chlorothalonil-4-hydroxy ^{**}	H113 A	µg/l	- ±	-	-	-
	H113 B	µg/l	- ±	-	-	-
Chlorothalonil Metabolite R471811 ^{**}	H113 A	µg/l	0.135 ±	0.0209	0.0311	23
	H113 B	µg/l	0.739 ±	0.0459	0.065	8.8
Chlorothalonil Metabolite R611968 ^{**}	H113 A	µg/l	- ±	-	-	-
	H113 B	µg/l	- ±	-	-	-
Chlorothalonil Metabolite SYN507900 ^{**}	H113 A	µg/l	- ±	-	-	-
	H113 B	µg/l	- ±	-	-	-
Chlorothalonil Metabolite SYN548580 ^{**}	H113 A	µg/l	- ±	-	-	-
	H113 B	µg/l	- ±	-	-	-
Chlorothalonil Metabolite SYN548581 ^{**}	H113 A	µg/l	- ±	-	-	-
	H113 B	µg/l	- ±	-	-	-

* For the following substances, the calculated mean values MW+/- 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:

Dimethachlor Metabolite CGA 369873:
H113 A:(n=5) 0.848 +/- 0.042 µg/l U(k=2)

Glufosinate:
H113 B:(n=4) 0.301 +/- 0.066 µg/l U(k=2)

Chlorothalonil-4-hydroxy:
H113 A:(n=5) 0.236 +/- 0.032 µg/l U(k=2)
H113 B:(n=5) 0.554 +/- 0.045 µg/l U(k=2)

Chlorothalonil Metabolite R611968:
H113 A:(n=3) 0.660 +/- 0.038 µg/l U(k=2)
H113 B:(n=3) 0.292 +/- 0.0278 µg/l U(k=2)

Chlorothalonil Metabolite SYN507900:
H113 A:(n=5) 0.103 +/- 0.0172 µg/l U(k=2)
H113 B:(n=5) 0.178 +/- 0.0153 µg/l U(k=2)

Chlorothalonil Metabolite SYN548580:
H113 A:(n=2) 0.365 +/- 0.0930 µg/l U(k=2)
H113 B:(n=2) 0.413 +/- 0.169 µg/l U(k=2)

Chlorothalonil Metabolite SYN548581:
H113 A:(n=3) 0.402 +/- 0.102 µg/l U(k=2)
H113 B:(n=3) 0.230 +/- 0.0508 µg/l U(k=2)

** The assessment of the Chlorothalonil metabolites serves only as an informative value, as there is no accreditation for these parameters.

The relative reproducibility standard deviation (vR) was chosen as the criterion for these parameters.

***informative value H113A – Glyphosate <0.03 µg/l (control laboratory)

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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)