

Gravimetric Certificate



Product Identification

08080100 Organochlorine Pesticide Mix 2

Please note: The expiry date is valid under recommended storage conditions only.

Expiry Date 18.10.2021

Lot Number 409118TH

Store at 20°C in the dark

Gravimetric Data				Purity (%)				
Product Name	CAS	Final Conc. (mg/l)	Lot. No.	Conc. (mg/l)	Weight/Volume	RT (min.)		
1 Aldrin	309-00-2	2000.000	G141717	98.000	163.266 mg	22.25		
2 4,4'-DDD	72-54-8	2000.000	120073	98.700	162.108 mg	27.59		
3 4,4'-DDE	72-55-9	2000.000	G130552	99.700	160.477 mg	26.11		
4 4,4'-DDT	50-29-3	2000.000	G171559	99.400	160.962 mg	28.97		
5 Dieldrin	60-57-1	2000.000	126109	99.900	160.155 mg	26.11		
6 alpha-Endosulfan	959-98-8	2000.000	G150002	98.100	163.098 mg	25.13		
7 beta-Endosulfan	33213-65-9	2000.000	G139276	99.600	160.641 mg	27.16		
8 Endosulfan-sulfate	1031-07-8	2000.000	105121	98.500	162.436 mg	28.71		
9 Endrin	72-20-8	2000.000	126168	96.500	165.807 mg	26.87		
10 Endrin-aldehyde	7421-93-4	2000.000	984339	98.000	163.264 mg	27.83		
11 Endrin-ketone	53494-70-5	2000.000	118055	98.500	162.439 mg	30.32		
12 alpha-HCH	319-84-6	2000.000	120435	98.100	163.095 mg	16.40		
13 beta-HCH	319-85-7	2000.000	G138918	98.600	162.268 mg	17.45		
14 gamma-HCH	58-89-9	2000.000	21119	98.600	162.270 mg	17.80		
15 delta-HCH	319-86-8	2000.000	40603	99.000	161.620 mg	18.65		
16 Heptachlor	76-44-8	2000.000	41025	99.000	161.617 mg	20.88		
17 trans-Heptachlor-endo-epoxide (isomer A)	28044-83-9	2000.000	124021	99.100	161.452 mg	23.92		
18 Methoxychlor	72-43-5	2000.000	169989	98.700	162.108 mg	31.02		
Solvent Information								
Solvent	Lot No.		Exact Quantity (ml)					
Toluene/Hexane	see comment		80.00					
Analytical Data								
Detection: GC/FID	Method Details:							
Column: DB-5, 30 m, ID 0.25 mm	Injector: 320° C							
Inj.-Vol.:	Start Temperature: 120° C for 4 min							
Flow: 1.0 ml/min	End Temperature: 320° C for 8 min							
	Gradient: 5° C/min							
Identity check MS, RT								
Comment Solvent: Toluene (Lot 1518982) / n-Hexane (Lot 51027) 1:1.								
Inj. Vol.: 0.2 µl								
The uncertainty/tolerance of this standard is +/- 10.0 %, calculated in accordance with the EURACHEM/CITAC Guide - Quantifying Uncertainty in Analytical Measurement - Second Edition. The uncertainty given is the expanded combined uncertainty and represents an estimated standard deviation equal to the positive square root of the total variance of the uncertainty of components. The expanded uncertainty is U which is Uc(y)*K, where K is the coverage factor at the 95% confidence level (K=2). The expanded uncertainty is based on the combination of uncertainties associated with each individual operation involved in the preparation of this product.								

Certified on 18.10.2018

by M. Beck

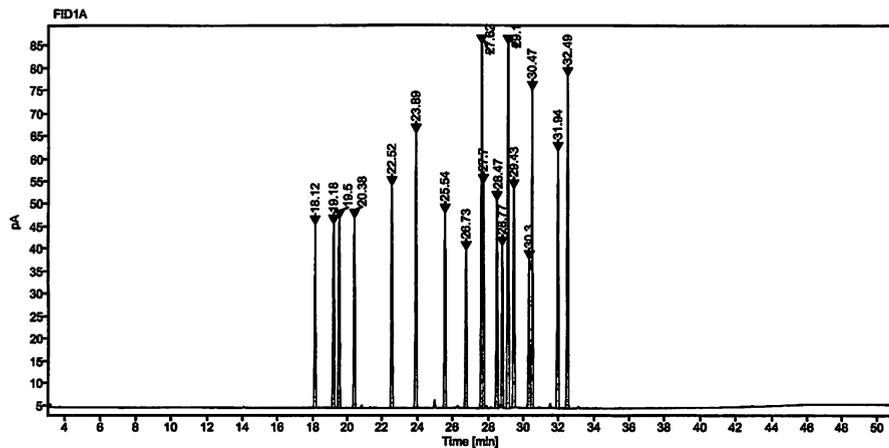
The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances and in form of single and multi-component solutions organic pure substances.

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The warranty for this product is limited to the purchasing price of this product.

17.10.18
SSP

Data file: 08080100-09-r001.dx Instrument: FID 4
Sample name: 409118TH Sequence Name: 2018KW42-1016a
Inj. volume [µl]: 0.2 Injection date: 10/16/2018 8:17:06 PM
Acq. method: pah.amx Location: 103
Sample Description Organochlorine Pesticide Mix 2

Nr.	RT [min]	Area [pA*s]	Height [pA]	Area%	Width [min]
15	30.30	123.12730	33.28	3.75	0.185
16	30.47	254.61523	70.74	7.76	0.210
17	31.94	208.22515	57.34	6.35	0.268
18	32.49	266.36017	73.89	8.12	0.235
	Sum	3280.31			



Signal: FID1A

Nr.	RT [min]	Area [pA*s]	Height [pA]	Area%	Width [min]
1	18.12	133.35373	40.92	4.07	0.051
2	19.18	136.58823	41.10	4.16	0.050
3	19.50	137.76024	42.25	4.20	0.048
4	20.38	135.13341	42.45	4.12	0.048
5	22.52	172.87954	49.66	5.27	0.309
6	23.89	213.70519	61.27	6.51	0.048
7	25.54	151.84374	43.61	4.63	0.051
8	26.73	126.01183	35.27	3.84	0.052
9	27.62	292.01539	81.02	8.90	0.054
10	27.70	172.42591	50.23	5.26	0.057
11	28.47	165.67248	46.42	5.05	0.059
12	28.77	126.84689	36.18	3.87	0.048
13	29.10	282.87464	80.97	8.62	0.227
14	29.43	180.87373	48.87	5.51	0.055

G. Bar