

Gravimetric Certificate

**EHRENSTORFER™****Product Identification**

18000040 Pesticide-Mix 40

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

Expiry Date 19.11.2021

Lot Number 833049AL

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 2,4-D	94-75-7	10.000	123960	99.500	1.008 mg	19.91
2 2,4-DB	94-82-6	10.000	156220	99.200	1.010 mg	23.55
3 Dichlorprop	120-36-5	10.000	169983	98.600	1.015 mg	22.42
4 MCPA	94-74-6	10.000	169789	99.100	1.010 mg	19.98
5 MCPB	94-81-5	10.000	452009	99.100	1.009 mg	23.76
6 Mecoprop	93-65-2	10.000	169790	99.300	1.008 mg	22.42

Solvent Information		
Solvent	Lot No.	Exact Quantity (ml)
Acetonitrile	170570476	100.00

Analytical Data			
Detection: UHPLC/DAD	Method Details:		
Column: LUNA Omega C18 1.6 µm 100 x 2.1 mm	Eluent A: WA + 0.5% H3PO4		
Inj.-Vol.: 2.00 µl	Eluent B: Acetonitrile		
Flow: 0.5 ml/min	Time/min	A	B
	0	80%	20%
	0.3	80%	20%
	8	20%	80%
	9.5	20%	80%
	10	80%	20%

Identity check RT, MS
Comment

The uncertainty/tolerance of this standard is +/- 6.0 %, 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 w hich is $Uc(y)*K$, w here 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 19.11.2018

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.

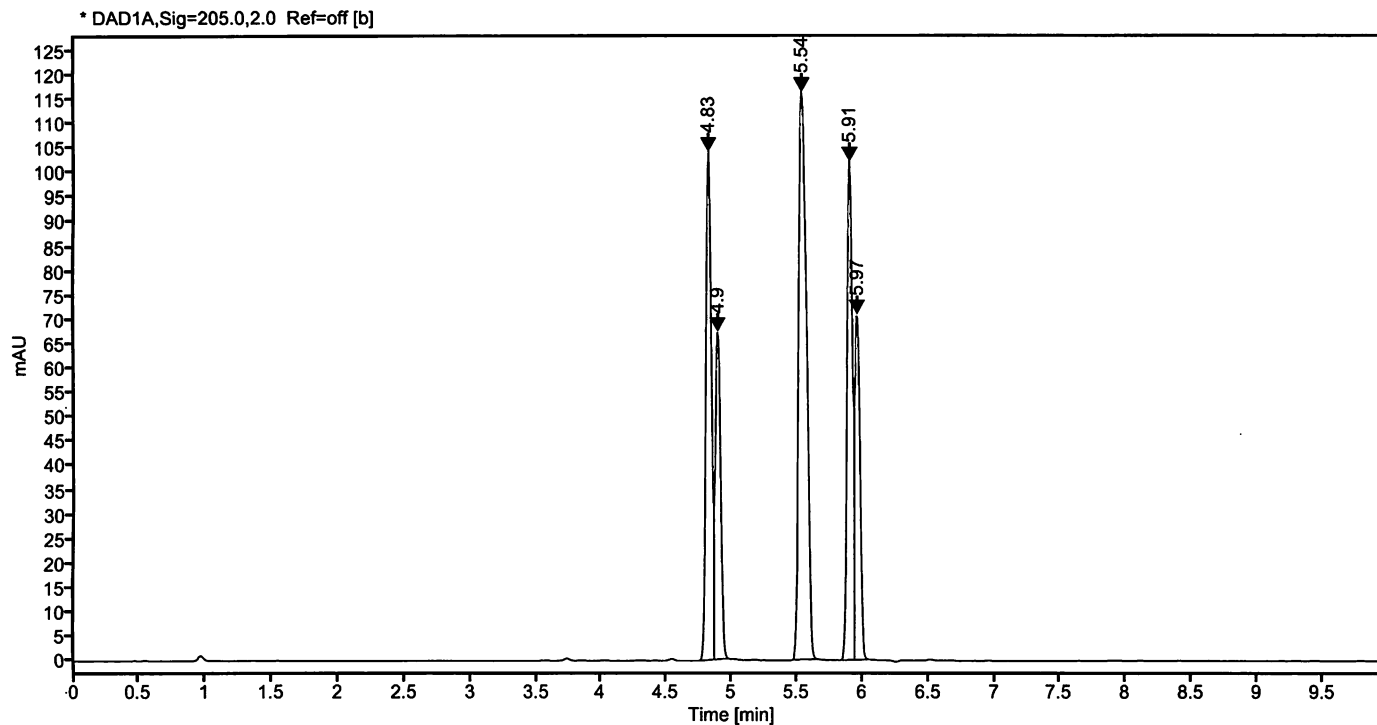
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The warranty for this product is limited to the purchasing price of this product.

11/16/2018

Data file: 18000040-25-r001.dx
Sample name: 833049AL
Inj. volume [µl]: 2.0
Acq. method: PES1P.amx

Instrument: UHPLC 2
Sequence Name: 16112018-2
Injection date: 11/16/2018 11:24:46 PM
Location: D1B-C1

Sample Description Pesticide-Mix 40



Signal: * DAD1A,Sig=205.0,2.0 Ref=off [b]

Nr.	RT [min]	Area	Height	Area%
1	4.83	301.22548	104.10	20.58
2	4.90	192.94964	67.24	13.18
3	5.54	487.18933	116.25	33.29
4	5.91	292.58364	102.10	19.99
5	5.97	189.59768	70.93	12.95
	Sum	1463.55		

M. Deh