

Gravimetric Certificate

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

18000040 Pesticide-Mix 40

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

Expiry Date 10.12.2021

Lot Number 855480AL

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	3.218 mg	4.82
2 2,4-DB	94-82-6	10.000	156220	99.200	3.227 mg	5.92
3 Dichlorprop	120-36-5	10.000	169983	98.600	3.248 mg	
4 MCPA	94-74-6	10.000	169789	99.100	3.232 mg	4.82
5 MCPB	94-81-5	10.000	452009	99.100	3.230 mg	5.97
6 Mecoprop	93-65-2	10.000	169790	99.300	3.223 mg	5.55

Solvent Information		
Solvent	Lot No.	Exact Quantity (ml)
Acetonitrile	17067081	320.00

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, UV
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 which is $U_c(y) \cdot K$, 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 10.12.2018

by D. Schmid

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.

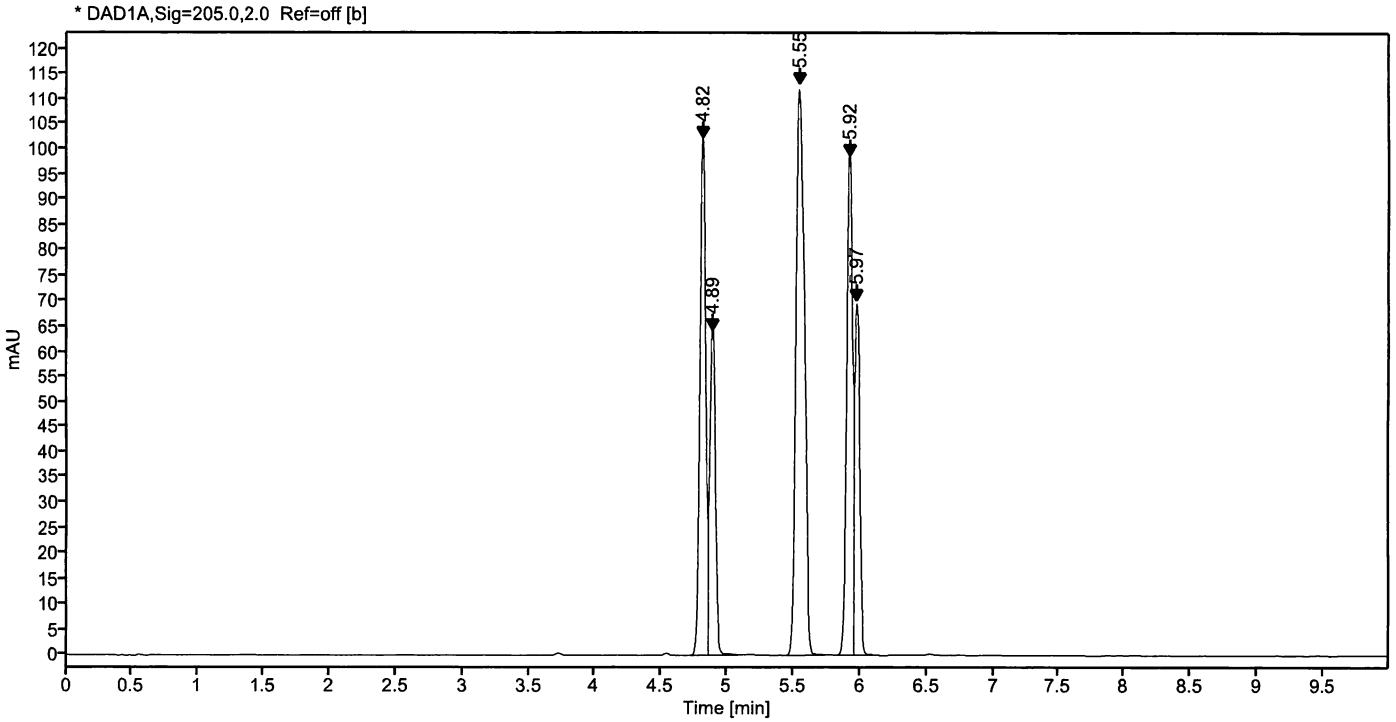
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The warranty for this product is limited to the purchasing price of this product.

10.12.2018

Data file: 18000040-03-r001.dx
Sample name: 855480AL
Inj. volume [µl]: 2.0
Acq. method: Pes1P.amx

Instrument: UHPLC 2
Sequence Name: 27112018-UH1
Injection date: 11/27/2018 2:55:51 PM
Location: D1F-A1

Sample Description Pesticide-Mix 40



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

Nr.	RT [min]	Area	Height	Area%
1	4.82	310.70751	101.95	20.74
2	4.89	195.14012	64.09	13.03
3	5.55	499.45802	112.71	33.34
4	5.92	310.88605	98.37	20.75
5	5.97	181.83362	69.89	12.14
	Sum	1498.03		

Schmid D.