

# Gravimetric Certificate



## ISO Guide 34 Certified Reference Material

### Product Identification

Article Code: DRE-L20126000CY

Article Name: Aroclor 1260

Formula:

Mol. Weight:

CAS No.: 11096-82-5

Lot Number: H167444CY

Expiry Date: 31.01.2023

Storage Temperature: 20°C ± 4°C

Storage and handling: The RM should be stored in the original sealed bottle at the temperature given above. After use the bottle should be tightly closed and protected from moisture and light. The expiry date is valid for original sealed bottles under recommended storage conditions only.

### Gravimetric Data

Compound Name: Aroclor 1260	Lot. No.: 90823	Purity: 100.0 %	Weight: 11.997 mg
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Batch Solvent: Cyclohexane	Solvent Lot: 160160376	Batch size: 1200.00 ml
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Concentration:	10.00 mg/l	Expanded Uncertainty U:	0.25 mg/l
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The uncertainty of this standard is calculated in accordance with the ISO Guide 34 and EURACHEM/CITAC Guide - Quantifying Uncertainty in Analytical Measurement, Second Edition. The expanded uncertainty is  $U(\text{exp}) = u(\text{CRM}) \times k$ , where  $k$  is the coverage factor at the 95% confidence level ( $k=2$ ). Uncertainty  $u(\text{CRM})$  is based on the combination of the uncertainties associated with each individual operation involved in the analysis of the product:  $u(\text{CRM}) = \sqrt{u(\text{char})^2 + u(\text{bb})^2 + u(\text{Its})^2 + u(\text{sts})^2}$ ;  $u(\text{char})$  is the uncertainty of characterisation;  $u(\text{bb})$  uncertainty of homogeneity test;  $u(\text{Its})$  uncertainty of stability test long-term;  $u(\text{sts})$  uncertainty of stability test short-term.  $u(\text{Its})$  and  $u(\text{sts})$  are not included in the calculation as the stability statement is based on real evidence opposed to simulation.

Minimum sample: 1 ml is recommended as the minimal sample amount. If less material is used, it is recommended to increase the certified uncertainty by a factor of two for half sample and a factor of four for a quarter of sample.

Intended use: Use this CRM as calibrant for chromatography or any other analytical technique.

### Analytical Data

Traceability of chromatography: To the International System of Units (SI).

Instrument: GC/FID

Detection: FID

Column: Optima-SMS, 0.25 µm, 0.25 mm

Inj.-Vol.: 2 µl

Flow: 1.0 ml/min

Injector: 320°C

Initial Temp: 120°C for 4 min

End Temp: 320°C for 3 min

Gradient: 15°C/min

### Comment

Traceability: The balances used are calibrated with weights traceable to the national standards (DKD).

Calibrated class A glassware is used for volumetric measurements.

Certificate Revision 1

Certified on: 31.01.2018

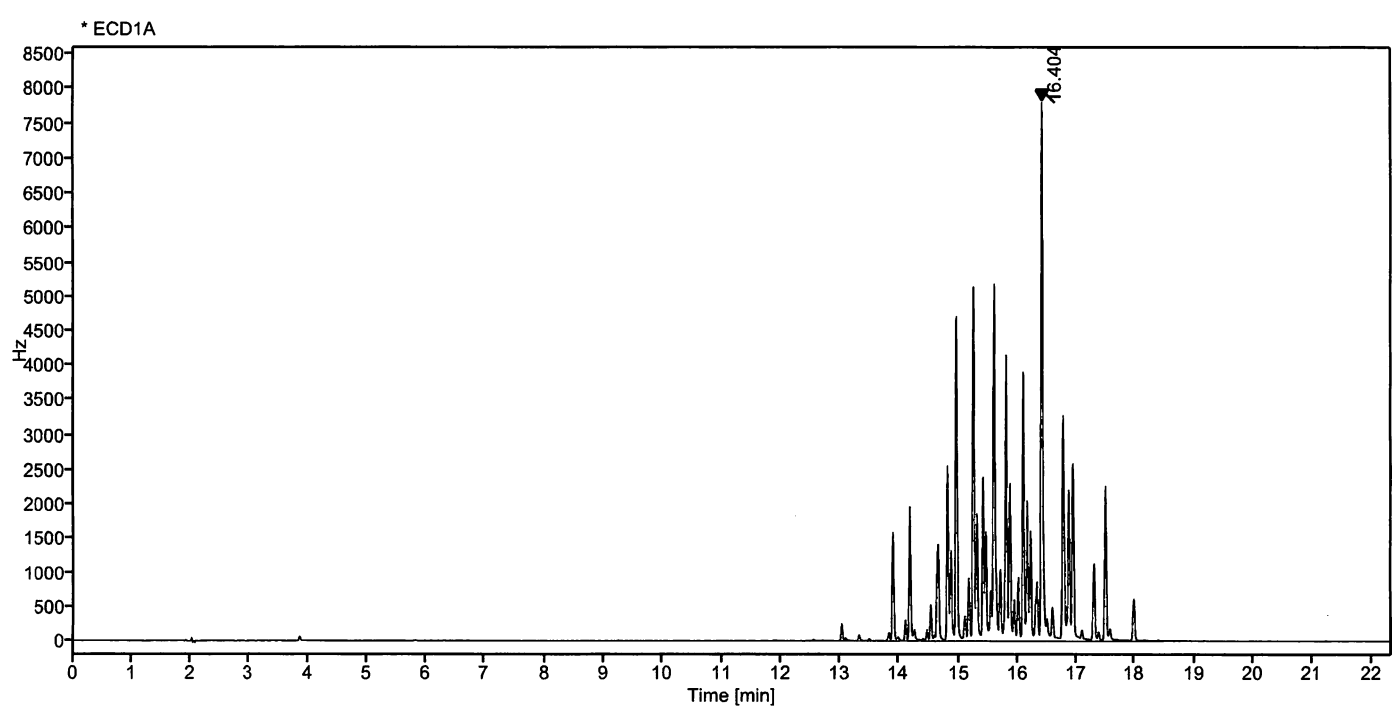
Certified by: D. Schmid

*Schmid D.*

The LGC Labor GmbH, 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 of organic pure substances.

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

Data file: 20126000-43.dx Instrument: ECD  
Sample name: H167444CY Sequence Name: 2018KW05-1b  
Inj. volume [µl]: 2.0 Injection date: 1/30/2018 11:07:17 AM  
Acq. method: pahk\_2.amx Location: 67  
Sample Description Aroclor 1260



Signal: \* ECD1A

Nr.	RT [min]	Area [Hz*s]	Height [Hz]	Area%	Width [min]
1	16.404	146251.79011	7813.76	100.00	0.224
	Sum	146251.79			

Schmid D.