

Gravimetric Certificate

**EHRENSTORFER™**

Product Identification

20545100 Benz[a]anthracene D12
Formula C18D12
Mol.Weight 240.29
CAS No. 1718-53-2

Expiry Date 04.09.2021

Lot Number 982683AL

Store at 20°C in the dark

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

Gravimetric Data

Product Name	Conc. (mg/l)	Purity %	Weight (mg)
Benz[a]anthracene D12	10.000	98.3	5.591

Solvent Information

Solvent	Lot No.	Exact Quantity (ml)
Acetonitrile	170570464	550.00

Traceability Data

20545100 128455	neat product
20545100 982683AL	10.000 mg/l

Analytical Data

Detection: GC/FID	Method Details:
Column: DB-5, 30 m, ID 0.25 mm	Injector: 320° C
Inj.-Vol.: 2.00 µl	Start Temperature: 120° C for 4 min
Flow: 1.0 ml/min	End Temperature: 320° C for 3 min
Ret.-Time: 15.86 min.	Gradient: 15° C/min

Identity check RT

Comment Chemical Purity: 99.6 %
Isotopic Value: 98.7 %
Property value was determined by gravimetric measurements and confirmed by peak area comparison.

The uncertainty/tolerance of this standard is +/- 5.0 %, 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 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 04.09.2018

by D. Schmid

Schmid D.

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.

Data file: 20545100-09-r001.dx

Instrument: FID 2

Sample name: 982683AL

Sequence Name: 2018KW36-0903a

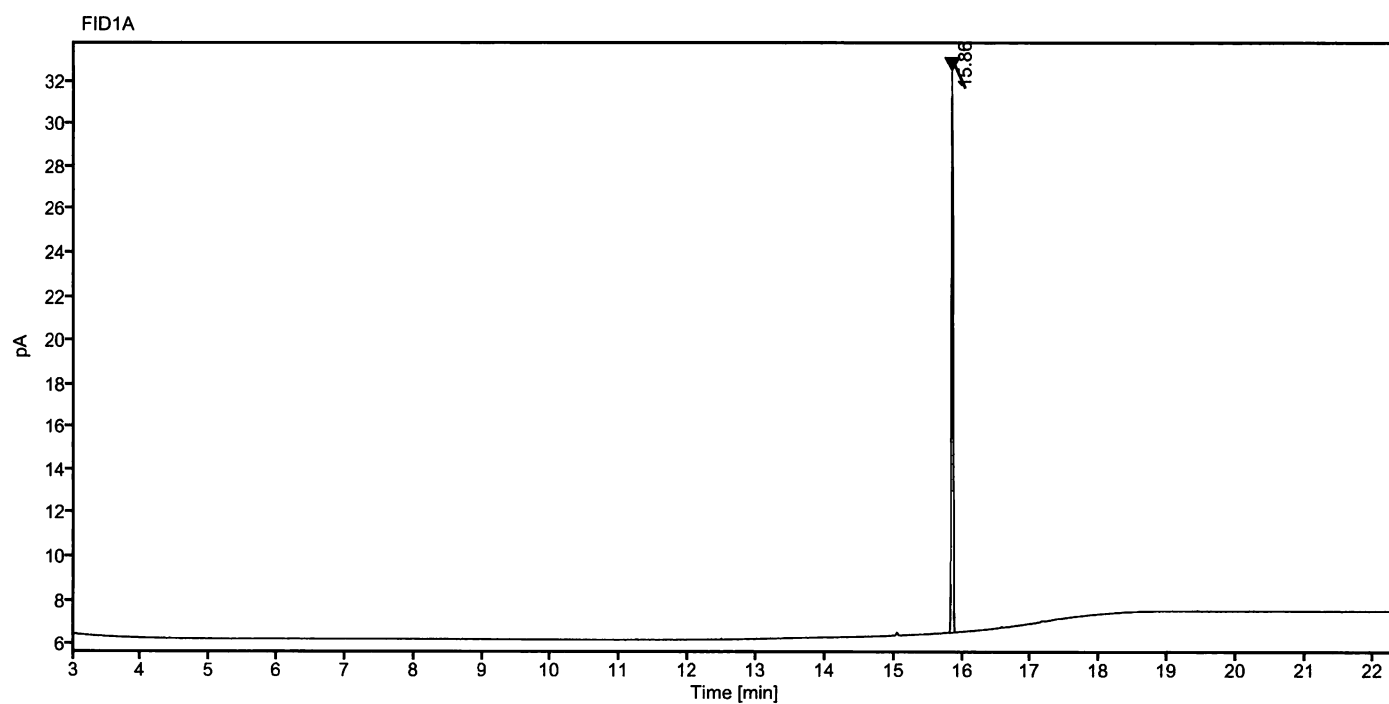
Inj. volume [μ l]: 2.0

Injection date: 9/3/2018 6:19:31 PM

Acq. method: PAHK_2.amx

Location: 11

Sample Description Benz[a]anthracene D12



Signal: FID1A

Nr.	RT [min]	Area [pA*s]	Height [pA]	Area%	Width [min]	S/N
1	15.86	38.66877	25.91	100.00	0.102	2320.3
Sum		38.67				

Schmid D.