

# Gravimetric Certificate



## Product Identification

20560000 Benzo[a]fluoranthene  
Formula C<sub>20</sub>H<sub>12</sub>  
Mol.Weight 252.32  
CAS No. 203-33-8

Expiry Date 05.07.2022  
Lot Number 173242CY  
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 %
Benzo[a]fluoranthene		10.000	99.5
			Weight (mg)
			3.215
Solvent Information			
Solvent	Lot No.	Exact Quantity (ml)	
Cyclohexane	I092831760	320.00	
Traceability Data			
20560000 109247	neat product		
20560000 173242CY	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.: 1.00 µl	Start Temperature: 120° C for 4 min		
Flow : 1.0 ml/min	End Temperature: 320° C for 3 min		
Ret.-Time: 17.69 min.	Gradient: 15° C/min		
Identity check RT			
Comment			
The uncertainty/tolerance of this standard is +/- 2.0 %, 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.			

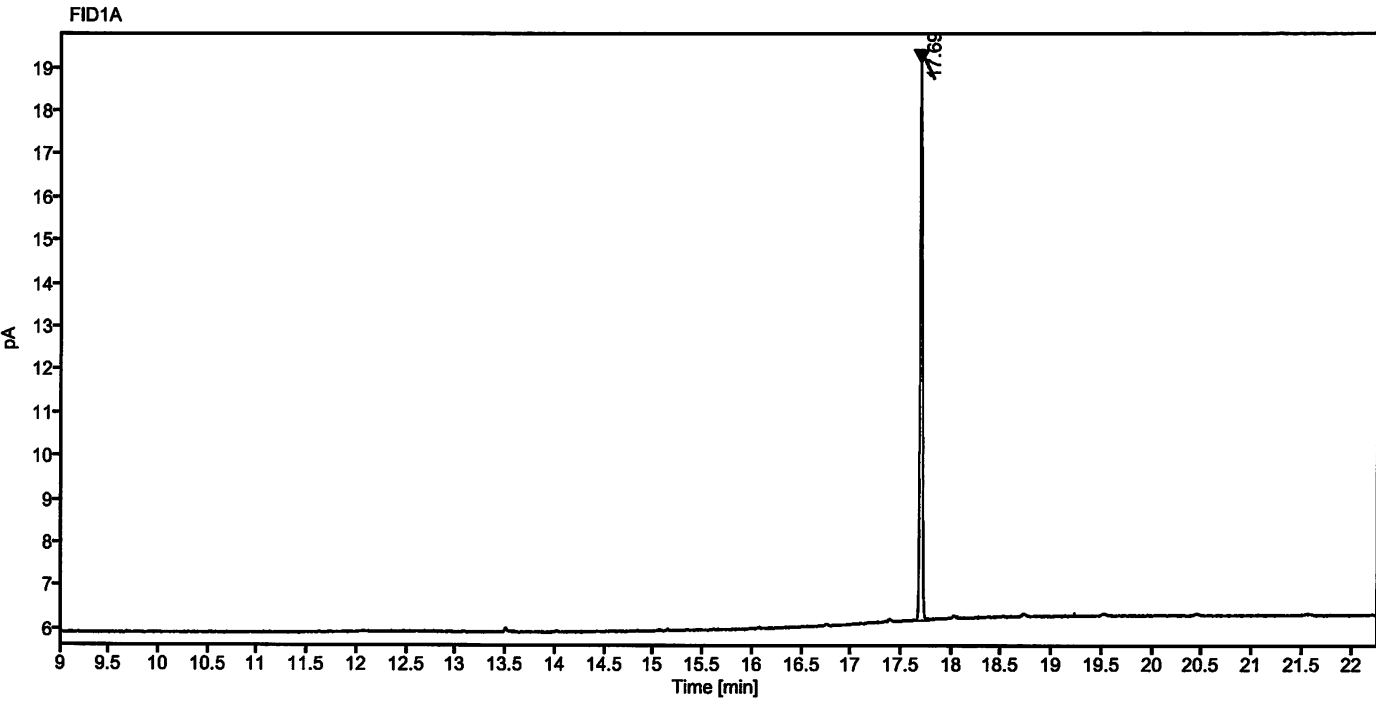
Certified on 05.07.2018  
by N. Müller

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.

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**Data file:** 20560000-25-r001.dx      **Instrument:** FID 3  
**Sample name:** 173242CY      **Sequence Name:** 2018KW25-0618-a  
**Inj. volume [µl]:** 1.0      **Injection date:** 6/19/2018 2:37:09 AM  
**Acq. method:** PAHK.amx      **Location:** 121  
**Sample Description** Benzo[a]fluoranthene



Signal: FID1A

Nr.	RT [min]	Area [pA*s]	Height [pA]	Area%	Width [min]	S/N
1	17.69	19.78470	12.90	100.00	0.179	511.3
	Sum	19.78				

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