

Gravimetric Certificate



Product Identification

20550000 Benzo[b]chrysene
Formula C22H14
Mol.Weight 278.36
CAS No. 214-17-5

Expiry Date 05.02.2021
Lot Number 169266CY
Store at 20°C in the dark

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

Gravimetric Data		Conc. (mg/l)	Purity %	Weight (mg)
Product Name		10.000	99.0	9.401
Benzo[b]chrysene				
Solvent Information				
Solvent	Lot No.	Exact Quantity (ml)		
Cyclohexane	D6I014266I02	930.00		
Traceability Data				
20550000 50820	neat product			
20550000 169266CY	10.000 mg/l			
Analytical Data				
Detection: HPLC/DAD		Method Details:		
Column:		Eluent A: Acetonitrile:H2O 2:3 for 1 min		
Inj.-Vol.: 10.00 µl		Eluent B: Acetonitrile:H2O 9:1 for 5 min		
Flow: 1.0 ml/min		Eluent A -> Eluent B: 16 min		
Ret.-Time: 19.31 min.				
Identity check UV, RT				
Comment	Column: Nucleodur PAH EC 3 µm 150 x 3 mm			
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 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 05.02.2018

by M. Beck

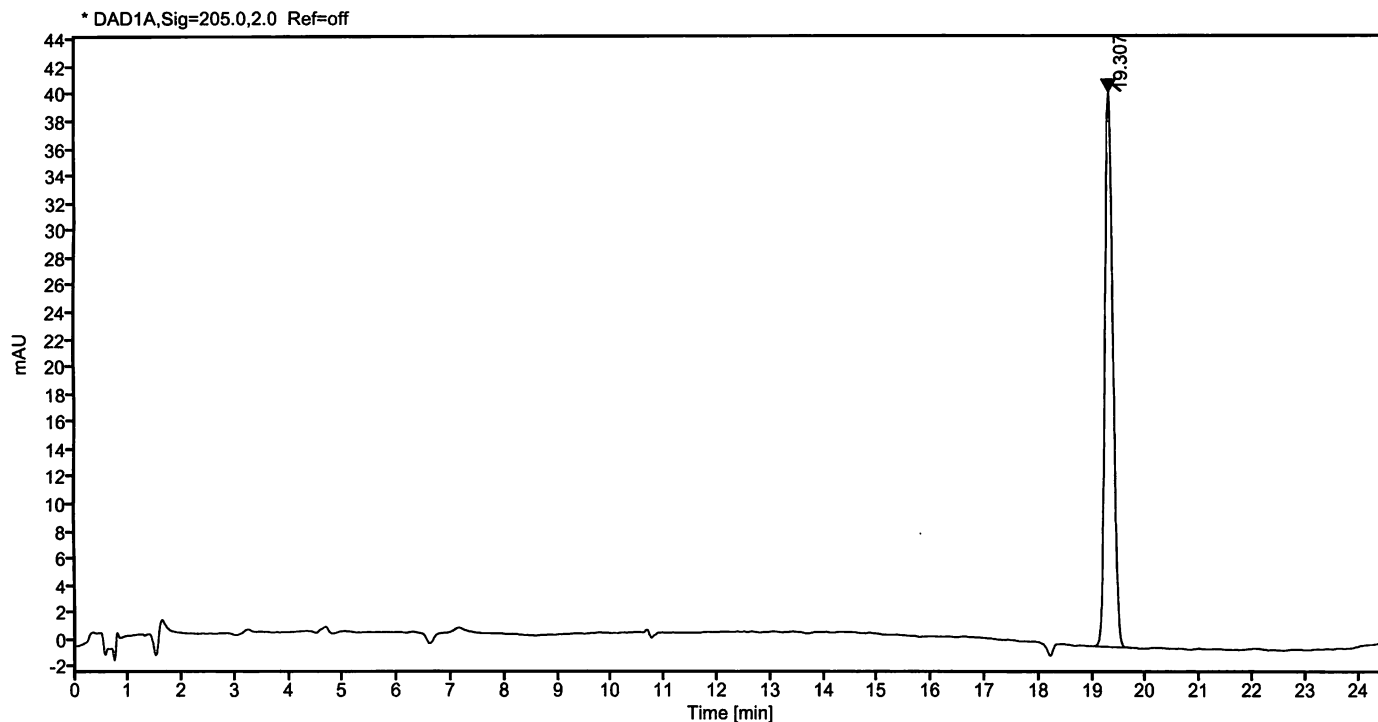
The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances 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.

0102 K

Data file: 20550000-03-r001.dx Instrument: DAD4
Sample name: 169266CY Sequence Name: 02022018-PAH
Inj. volume [µl]: 10.0 Injection date: 2/3/2018 1:46:00 PM
Acq. method: PAHK1_S2.amx Location: 88

Sample Description Benzo[b]chrysene
Column: Nucleodur PAH EC 3 µm 150 x 3 mm



Signal: * DAD1A, Sig=205.0, 2.0 Ref=off

Nr.	RT [min]	Area	Height	Area%
1	19.307	422.71218	40.56	100.00
	Sum	422.71		

H. Ber