

Gravimetric Certificate



Product Identification

20705000 Dibenz[a,j]anthracene
Formula C22H14
Mol.Weight 278.35
CAS No. 224-41-9

Expiry Date 18.07.2023
Lot Number 409083AL
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)
Dibenz[a,j]anthracene		10.000	99.9	5.806
Solvent Information				
Solvent	Lot No.	Exact Quantity (ml)		
Acetonitrile	170570449	580.00		
Traceability Data				
20705000 20213	neat product			
20705000 409083AL	10.000 mg/l			
Analytical Data				
Detection: HPLC/DAD		Method Details:		
Column: ReproSil 100 C18 5µ 250x3		Eluent A: Acetonitrile:H2O 2:3 for 2 min		
Inj.-Vol.: 10.00 µl		Eluent B: Acetonitrile:H2O 9:1 for 10 min		
Flow: 0.5 ml/min		Eluent A -> Eluent B: 33 min		
Ret.-Time: 39.98 min.				
Identity check RT, UV				
Comment Property value was determined by gravimetric measurements and confirmed by peak area comparison.				
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 18.07.2018
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.

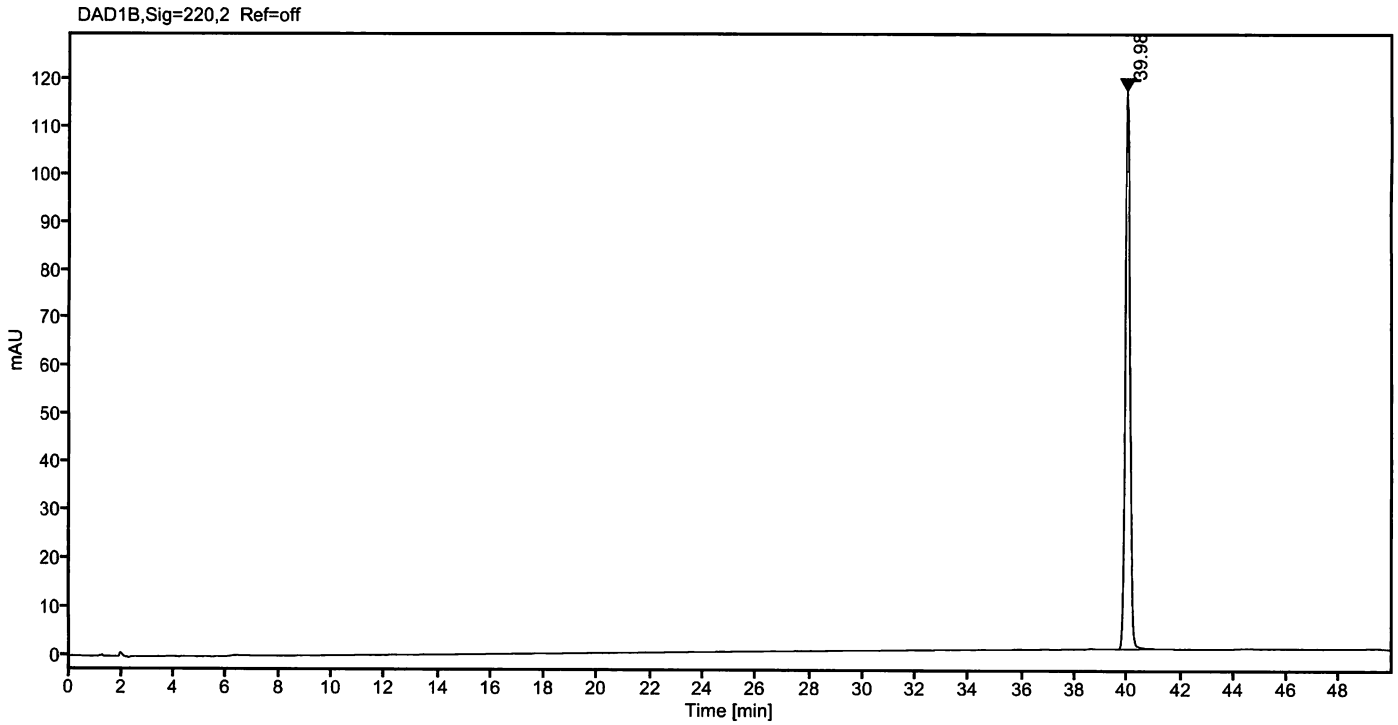
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The warranty for this product is limited to the purchasing price of this product.

09072017

Data file: 20705000-04-r001.dx
Sample name: 409083AL
Inj. volume [µl]: 10.0
Acq. method: S1_PAH1.amx

Instrument: DAD5
Sequence Name: 09072017-1
Injection date: 7/9/2018 5:08:55 PM
Location: P2-D2

Sample Description Dibenz[a,j]anthracene



Signal: DAD1B,Sig=220,2 Ref=off

Nr.	RT [min]	Area	Height	Area%
1	39.98	1417.05719	115.78	100.00
	Sum	1417.06		

Schmid D.