Gravimetric Certificate

LGC | DR EHRENSTORFER™

Product Identification

20966300 3-Nitrophenanthrene
Formula C14H9NO2
Mol.Weight 223.23
CAS No. 17024-19-0

Expiry Date 18.04.2023
Lot Number 169399CY
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)
3-Nitrophenanthrene	10.000	97.2	6.376

Solvent Information

Solvent	Lot No.	Exact Quantity (ml)
Cyclohexane	I092831734	620.00

Traceability Data

20966300 687456 neat product
20966300 169399CY 10.000 mg/l

Analytical Data

Detection: HPLC/DAD
Column: ReproSil 100 C18 5µ 250x3
Inj.-Vol.: 10.00 µl
Flow: 1.0 ml/min
Ret.-Time: **2.37 min.**

Method Details:
Acetonitrile:H2O 9:1

Identity check UV, 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 which is Uc(y)*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 18.04.2018
by D. Schmid

Schmid D.

The Laboratory LGC Labor GmbH is accreditated 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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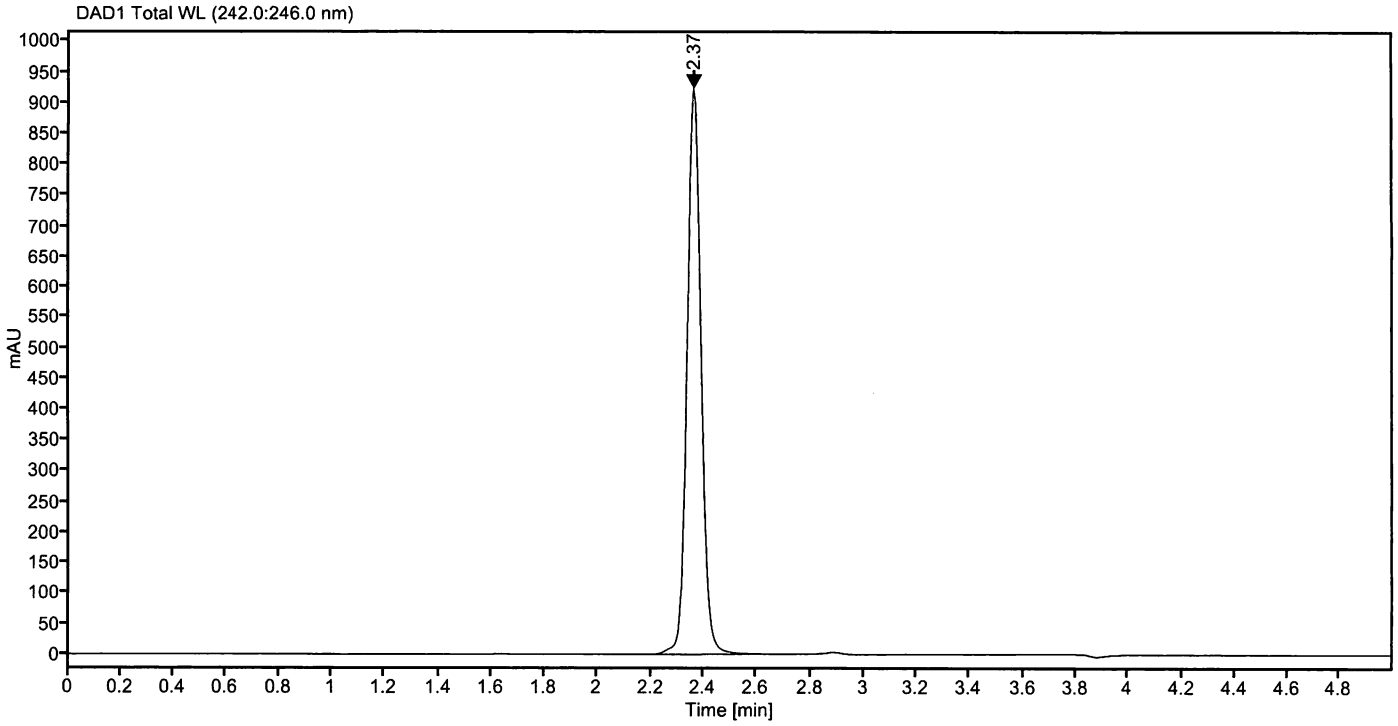
1804 NS

Data file:	20966300-10-r002.dx	**Instrument:**	DAD4
Sample name:	169399CY	**Sequence Name:**	16042018-1a
Inj. volume [µl]:	10.0	**Injection date:**	4/17/2018 1:30:16 AM
Acq. method:	91K.amx	**Location:**	86

Sample Description 3-Nitrophenanthrene



Signal: DAD1 Total WL (242.0:246.0 nm)

Nr.	RT [min]	Area	Height	Area%
1	2.37	3423.01756	923.77	100.00
	Sum	3423.02		

Schmid D.