Gravimetric Certificate



ISO 17034 Certified Reference Material

Product Identification

Article Code: DRE-XA20700000AL Article Name: Dibenz[a,h]anthracene

C22H14 Formula: Mol. Weight: 278.35 CAS No.: 53-70-3

Lot Number: Expiry Date: Storage Temperature:

H991788AL

17.12.2021

20°C ± 4°C

Storage and handling: The CRM should be stored in the original sealed bottle at the temperature given above. After use the bottle should be tightly closed and protected from moisture and light. The expiry date is valid for original sealed bottles under recommended storage conditions only.

Compound Name: Dibenz[a,h]anthracene Lot No :

Purity: 98.5 %

Weight: 16.244 mg

Batch Solvent:

Acetonitrile

Solvent Lot: 17067086

Batch size: 160.00 ml

Concentration:

100 00 mg/l

Expanded Uncertainty U:

3.09 mg/l

The uncertainty of this standard is calculated in accordance with the ISO 17034 and EURACHEM/CITAC Guide - Quantifying Uncertainty in Analytical Measurement, Second Edition. The expanded uncertainty is U(exp) = Ine uncertainty of this standard is calculated in accordance with the ISO 1/034 and EURALHEM/CHAL Guide - Quantifying Uncertainty in Analytical Measurement, Second Edition. The expanded uncertainty u(CRM) is based on the combination of the uncertainties associated with each individual operation involved in the analysis of the product: u(CRM) = vu(char)² + u(bs)² + u(ts)² + u(ts)

> Method Details Acetonitrile: 100 %

guarter of sample

Intended use: Use this CRM as calibrant for chromatography or any other analytical technique.

Analytical Data

Traceability of chromatography: To the International System of Units (SI). HPLC/DAD

Detection:

DAD

ReproSil 100 C18 5 μm 250 x 3 mm

Column: Inj.-Vol.:

5 ul 1.0 ml/min

Ret.Time: 2.89 min

Comment

Traceability: The balances used are calibrated with weights traceable to the national standards (DKD).

Schmid D

Calibrated class A glassware is used for volumetric measurements.

Attachment: Exemplary chromatogram of given method Certificate Revision 1 - 17.12.2018 - D. Schmid

Certified on: Certified by:

17 12 2018

The LGC Labor GmbH, accreditated by DAkkS as indicated by the accreditation number D-RM-19883-01 & D-PL-19883-01. has shown competence based on ISO 17034:2017 with relevant parts of DIN EN ISO/IEC 17025:2018 for production of certified reference materials in form of organic pure substances and in form of single and multi-component solutions of organic pure substances.

A.D. 2018, &

Data file:

20700000-36.dx

Sample name: Inj. volume [µl]:

Acq. method:

H991788AL

5.0

S1_100AL.amx

Instrument:

DAD5

Sequence Name:

14122018-1

Injection date:

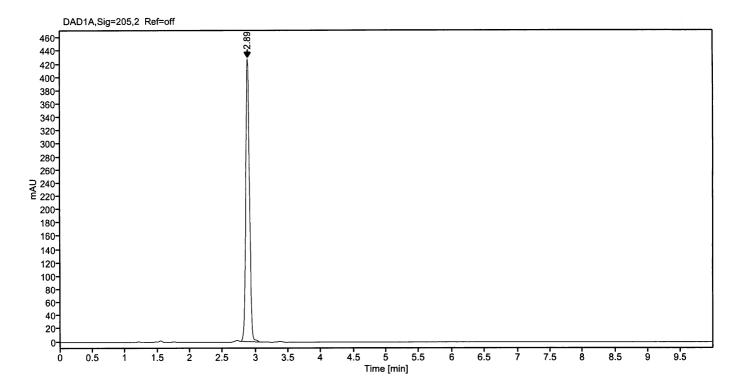
12/15/2018 7:25:07 AM

Location:

D2F-B4

Sample Description

Dibenz[a,h]anthracene



Signal:

DAD1A,Sig=205,2 Ref=off

RT [min] Nr. 2.89 1

Sum

Area 1690.24834

1690.25

Height 428.25

Area% 100.00

Schmid D.