

Certificate of Analysis



EHRENSTORFER™

Product Identification

14447500 Isophthalic acid, bis-phenyl ester
CA 1,3-Benzenedicarboxylic acid, 1,3-diphenyl ester
IUPAC Diphenyl benzene-1,3-dicarboxylate
Formula C₂₀H₁₄O₄
Mol.Weight 318.33
CAS No. 744-45-6

Expiry Date 08.01.2024
Lot Number 164655
Store at 20 °C ±4 °C

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

Toxicological Data



R Code

S Code

LD50 (Rats female/male in mg/kg) N/A

Physical Data

Phase crystalline solid Vapour pressure NA at °C
Color colourless Solubility in water N/A g/l at °C
Melt.Range 136,5 °C Boiling Range (lit.)

Analytical Data

Detection: GC/FID
Column: DB-5, 30 m, ID 0.25 mm
Inj.-Vol.: 1.00 µl
Flow: 1.0 ml/min
Ret.-Time: 14.15 min.

Method Details:
Injector: 320° C
Start Temperature: 120° C for 4 min
End Temperature: 320° C for 3 min
Gradient: 15° C/min

Identity: MS, EA, NMR
Comment: No chromatogram available.
Purity was determined by elemental analysis.

Water Content 0.0 % Determined by Karl-Fischer Titration
Det. Purity 99.6 % Tolerance/Uncertainty +/- 1.0 %

The uncertainty/tolerance of this standard is 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 $Uc(y) \cdot K$, 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 08.01.2018

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.