

Certificate of Analysis

**EHRENSTORFER™**

Product Identification

10047700 Agaric acid

CA 1,2,3-Nonadecanetricarboxylic acid, 2-hydroxy-

IUPAC 2-Hydroxy-1,2,3-nona-decane-tricarboxylic acid

Formula C₂₂H₄₀O₇

Mol.Weight 416.55

CAS No. 666-99-9

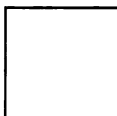
Expiry Date 07.09.2022

Lot Number 170613

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

Color colourless

Melt.Range 133.4 °C

Vapour pressure N/A at °C

Solubility in water N/A g/l at °C

Boiling Range (lit.)

Analytical Data

Detection: HPLC/DAD

Column:

Inj.-Vol.: 10.00 µl

Flow: 0.5 ml/min

Ret.-Time: 40.53 min.

Method Details:

Eluent A: Acetonitrile:H₂O + 0.15% Formic Acid 1:9 for 2 min

Eluent B: Acetonitrile 100% for 5 min

Eluent A -> Eluent B: 45 min

Identity: IR, MS, RT, EA, NMR, UV

Comment Column: Nucleodur 100 C8 3µm 250*4mm
No chromatogram available.

Water Content 1.2 % Determined by Karl-Fischer Titration

Det. Purity 85.9 % Tolerance/Uncertainty +/- 5.0 %

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 U_{c(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 07.09.2018

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.