Certificate of Analysis

Dr. Ehrenstorfer

Reference Materials for Residue Analysis

Product Identification

11693000 Coffein

CA 1H-Purine-2,6-dione, 3,7-Dihydro-1,3,7-trimethyl-

IUPAC 1,3,7-trimethyl-1H-purine-2,6(3H,7H)-dione

Formula $C_8H_{10}N_4O_2$

Mol.Weight 194.19

CAS No. 58-08-2

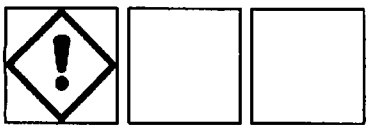
Expiry Date 22.04.2019

Lot Number 30408

Store at 20 °C ±4 °C

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

Toxicological Data



R Code 25

S Code 46

LD50 (Rats female/male in mg/kg) 192

Physical Data

Phase	crystalline solid	Vapour pressure N/A at °C
Color	colourless	Solubility in water N/A g/l at °C
Melt.Range	237,8 °C	Boiling Range (lit.)

Analytical Data

Detection: HPLC/DAD

Method Details:

Acetonitrile:H2O+0,5% H3PO4 1:1

Inj.-Vol.: 10.00 µl

Flow: 0.5 ml/min

Ret.-Time: **1.90 min.**

Identity: UV, RT

Comment Column: YMC-Pack ODS-AQ (3µm, 150 x 3mm)
Purity was determined by external standard method.
No Chromatogram available.

Water Content 0.0 % Determined by Karl-Fischer Titration

Det. Purity 98.5 % Tolerance/Uncertainty +/- 0.5 %

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)*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 22.04.2013

by A. Storr



The Laboratory Labor Dr. Ehrenstorfer-Schäfers is accreditated by DAkkS as indicated by the Accreditation Number D-RM-14174-01 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.