

Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

17923820 Vitamin A acetate

CA Retinol acetate

IUPAC all-trans-3,7-Dimethyl-9-(2,6,6-trimethyl-1-cyclohexene-1-yl)-2,4,6,8-nonatetraene-1-yl-acetate

Formula C₂₂H₃₂O₂

Mol.Weight 328.54

CAS No. 127-47-9

Reference Materials for Residue Analysis

Expiry Date 16.01.2017

Lot Number 31022

Store at -18 °C ±4 °C

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

Toxicological Data



R Code 38-63

S Code 36/37

LD50 (Rats female/male in mg/kg) 2740

Physical Data

Phase crystalline solid

Color colourless

Melt.Range 60.1 °C

Vapour pressure N/A at °C

Solubility in water insol. g/l at 20 °C

Boiling Range (lit.)

Analytical Data

Detection:

Column:

Inj.-Vol.:

Flow:

Ret.-Time:

Method Details:

Identity: UV

Comment Determination of purity by UV/Vis at 326nm.

No chromatogram available.

Purity was confirmed by external standard method.

Substance is very sensitive to air and moisture, storage under argon

Water Content 0.0 % Determined by Karl-Fischer Titration

Det. Purity 98.8 % Tolerance/Uncertainty +/- 0.5 %

The uncertainty/tolerance of this standard is calculated in accordance with the EURACHEM/CTAC 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 16.01.2014

by Dipl. chem. S. Fischer

The Laboratory Labor Dr. Ehrenstorfer-Schäfers is accredited 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.