Certificate of Analysis

Dr. Ehrenstorfer

Reference Materials for Residue Analysis

Product Identification

20510000 Acenaphthylene

CA Acenaphthylene

IUPAC Acenaphthylene

Formula C12H8

Mol.Weight 152.20

CAS No. 208-96-8

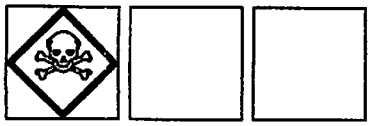
Expiry Date 25.11.2017

Lot Number 20723

Store at 20 °C ±4 °C

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

Toxicological Data



R Code 45/46/47

S Code 44-53

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

Physical Data

Phase	crystalline solid	Vapour pressure N/A at °C
Color	yellowish	Solubility in water insol. g/l at °C
Melt.Range	92.1 °C	Boiling Range (lit.)

Analytical Data

Detection:	HPLC/DAD	Method Details:	
Column:	ReproSil 100 C18 5µ 250x3	Acetonitrile:H2O 4:1	
Inj.-Vol.:	10.00 µl		
Flow:	1.0 ml/min		
Ret.-Time:	**2.93 min.**		

Identity: RT, UV

Comment purity was confirmed by external standard method

Water Content 0.0 % Determined by Karl-Fischer Titration

Det. Purity 99.0 % 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 25.11.2013

by M. Beck

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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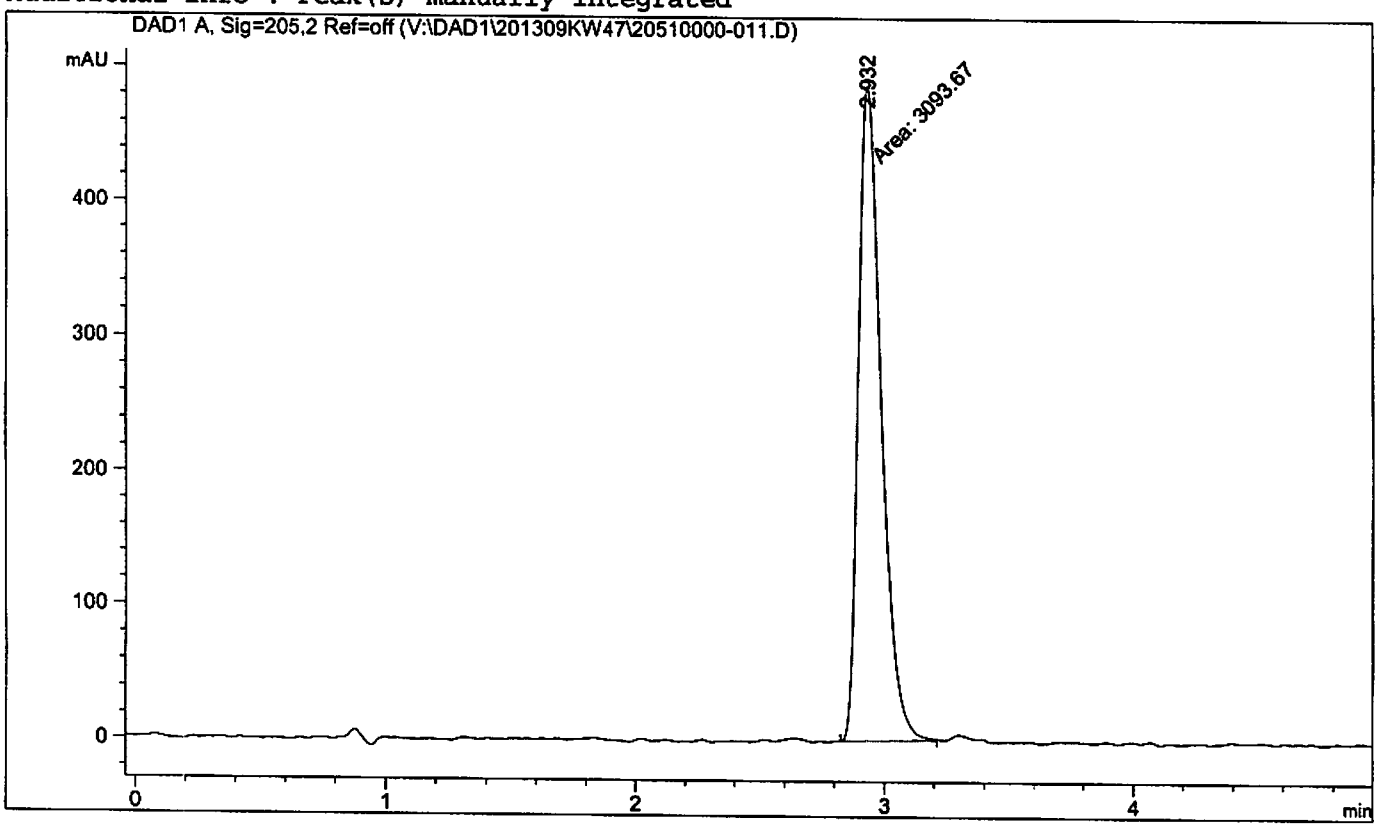
Data File V:\DAD1\201309KW47\20510000-011.D
Sample Name: 31121AL 20723

Acq. Operator	: DAD1_Admin	Seq. Line	: 63
Acq. Instrument	: Instrument 1	Location	: Vial 58
Injection Date	: 22.11.2013 07:32:43	Inj	: 1
		Inj Volume	: 10.000 µl
Acq. Method	: D:\CHEM32\1\METHODS\41K.M		
Last changed	: 13.03.2013 15:50:37 by DAD1_Admin		
Analysis Method	: V:\DAD1\METHODS\41K.M		
Last changed	: 22.11.2013 14:05:34 (modified after loading)		
Method Info	: Acetonitrile : Water 4:1		
Sample Info	: Acenaphthylene		

Additional Info : Peak(s) manually integrated



Area Percent Report

Sorted By : Retention Time
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=205,2 Ref=off

Peak #	RetTime [min]	Sig	Type	Area [mAU*s]	Height [mAU]	Area %
1	2.932	1	MM	3093.67432	486.47910	100.0000
Totals :				3093.67432	486.47910	