

Certificate of Analysis

Dr. Ehrenstorfer



Reference Materials for Residue Analysis

Product Identification

15711700 Octylamine
CA n-Octylamine
IUPAC 1-Aminooctane
Formula C₈H₁₉N
Mol.Weight 129.25
CAS No. 111-86-4

Expiry Date 27.08.2017
Lot Number 20605
Store at 20 °C ±4 °C

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

Toxicological Data



R Code 34
S Code 26-36/37/39-45
LD50 (Rats female/male in mg/kg) N/A

Physical Data

Phase liquid
Color colourless
Melt.Range
Vapour pressure < 1mmHg at °C
Solubility in water N/A g/l at °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: 12.57 min.

Method Details:
Injector: 200° C
Start Temperature: 40° C for 5 min
End Temperature: 200° C for 16 min
Gradient: 15° C/min

Identity: MS, RT
Comment purity was confirmed by external standard method

Water Content 0.5 % Determined by Karl-Fischer Titration
Det. Purity 99.5 % 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 $Uc(y) \cdot K$, 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 27.08.2012
by P. Feuerriegel 



REG. NO.: 1174-01

The Laboratory Labor Dr. Ehrenstorfer-Schäfers is accredited by DGA as indicated by the Accreditation Certificate DGA-PL-4536.00 based on DIN EN ISO/IEC 17025:2005 for the weighing of amounts of substances for the preparation of standard solutions.

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The warranty for this product is limited to the purchasing price of this product.



DGA-PL-4536.00

Sample Name: 20612AL 20605

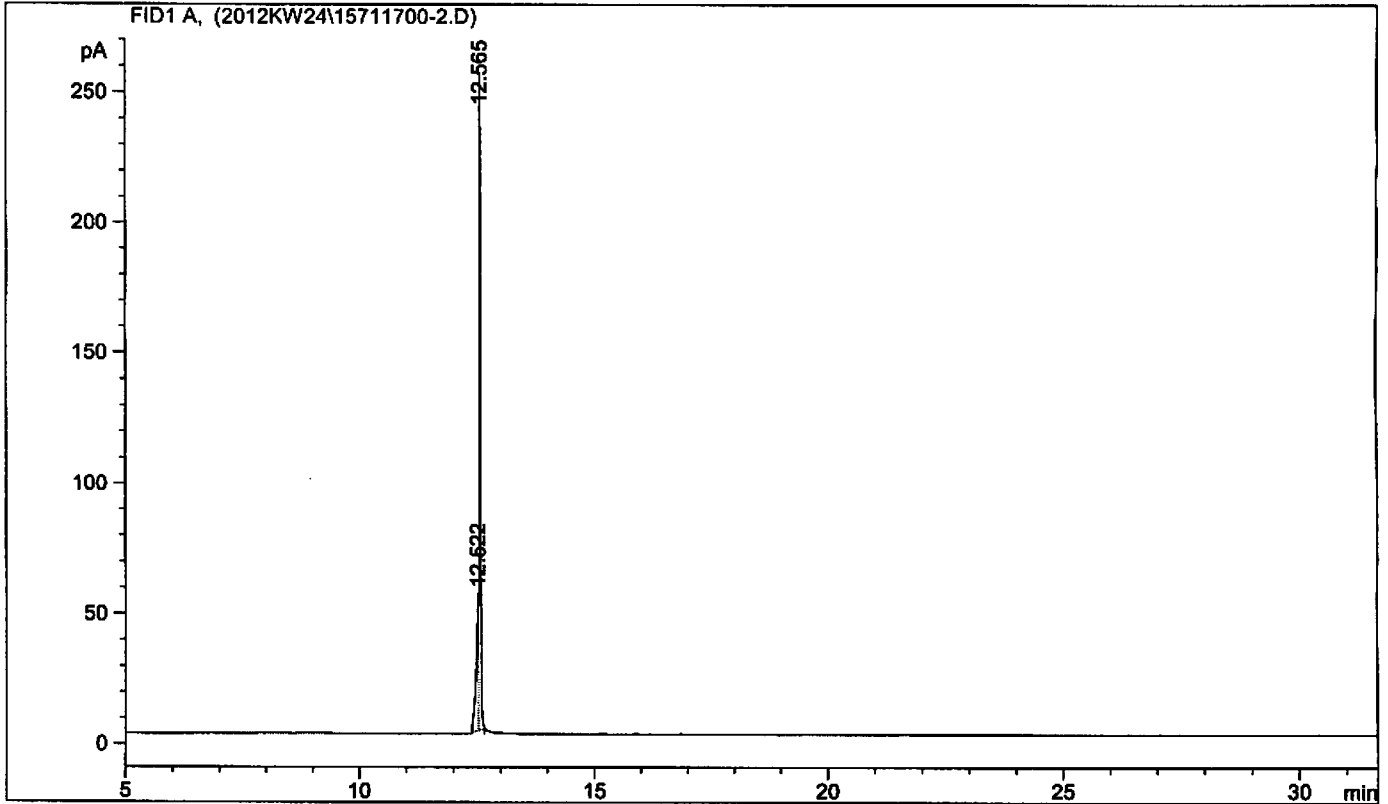
18.7.12
T. Shuman

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Acq. Operator   :                               Seq. Line :    9
Acq. Instrument : GCFID1                       Location  : Vial 79
Injection Date  : 6/14/2012 9:36:46 AM         Inj       :    1
                                                    Inj Volume: 4 µl

Acq. Method     : C:\CHEM32\1\METHODS\200_4.M
Last changed    : 12/21/2010 10:54:42 AM
Analysis Method : C:\CHEM32\1\METHODS\200_4.M
Last changed    : 7/18/2012 11:52:06 AM
                  (modified after loading)
Method Info     : 200_4

Sample Info     : Octylamine
    
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 Area Percent Report
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Sorted By      :      Retention Time
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
    
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Signal 1: FID1 A,

Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	12.522	1	BV	185.49239	52.87391	28.67435
2	12.565	1	VB	461.40070	251.59494	71.32565

Totals : 646.89308 304.46885

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 *** End of Report ***