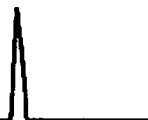


# Certificate of Analysis

Dr. Ehrenstorfer



## Product Identification

15711700 Octylamine  
CA n-Octylamine  
IUPAC 1-Aminooctane  
Formula C<sub>8</sub>H<sub>19</sub>N  
Mol.Weight 129.25  
CAS No. 111-86-4

## Reference Materials for Residue Analysis

Expiry Date 27.08.2017  
Lot Number 20604  
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  
Colour colourless  
Melt.Range  
Vapour pressure < 1mmHg at °C  
Solubility in water NA 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: 12.56 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: RT, MS

Comment purity was confirmed by external standard method

Water Content 0.5 % Determined by Karl-Fischer Titration  
Det. Purity 99.1 % 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: 2074-01

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.

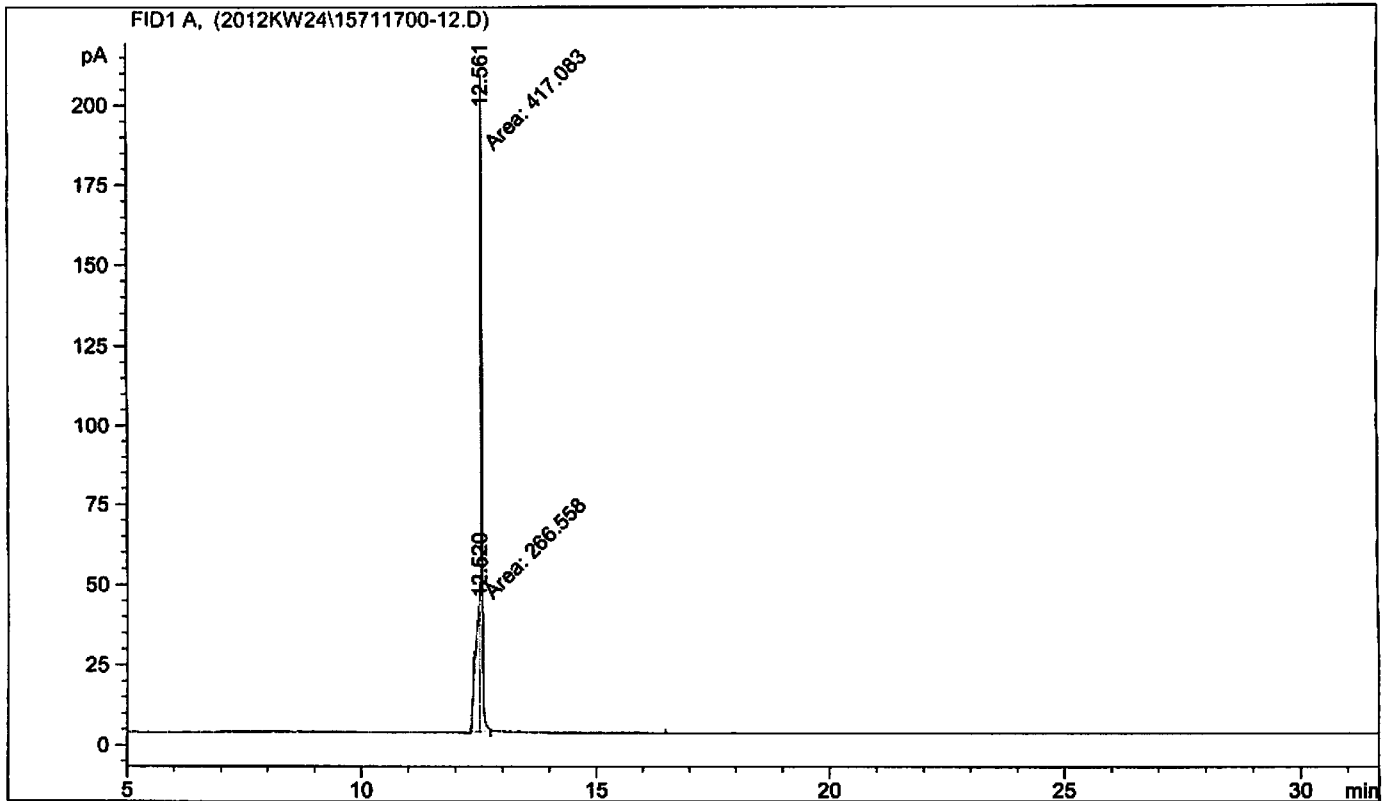
Labor Dr. Ehrenstorfer-Schäfers · Bgm.-Schlosser-Str. 6 A · 86199 Augsburg · Germany  
Phone +49 821 906080 Fax +49 821 9060888 info@analytical-standards.com  
The warranty for this product is limited to the purchasing price of this product.



DGA-PL-4536.00

A&M  
T Schen

=====  
Acq. Operator : Seq. Line : 8  
Acq. Instrument : GCFID1 Location : Vial 80  
Injection Date : 6/14/2012 8:57:33 AM Inj : 2  
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



=====  
Area Percent Report  
=====

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

Signal 1: FID1 A,

Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	12.520	1	MF T	266.55844	39.99045	38.99098
2	12.561	1	FM T	417.08292	205.96158	61.00902

Totals : 683.64136 245.95203

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\*\*\* End of Report \*\*\*