

Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

10572000 2-Benzyl-4-chlorophenol
CA Phenol, 4-chloro-2-(phenylmethyl)-
IUPAC 4-chloro-2-(phenylmethyl)-phenol
Formula C₁₃H₁₁ClO
Mol.Weight 218.69
CAS No. 120-32-1

Reference Materials for Residue Analysis

Expiry Date 02.06.2018
Lot Number 40521
Store at 20 °C ±4 °C

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

Toxicological Data



R Code 22-35/37/38-53
S Code 22-25-36-60/61
LD50 (Rats female/male in mg/kg) 1700

Physical Data

Phase crystalline solid Vapour pressure N/A at °C
Color grey-yellow to brown Solubility in water <1g g/l at 16 °C
Melt.Range 43,5-44,5 °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: 18.10 min.

Method Details:
Injector: 280° C
Start Temperature: 60° C for 5 min
End Temperature: 280° C for 1 min
Gradient: 15° C/min

Identity: RT
Comment Purity was confirmed by external standard method

Water Content 0,3 % 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 $Uc(y) \cdot K$, 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 02.06.2014
by P. Feuerriegel

The Laboratory LGC Labor GmbH 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.

Sample Name: 40521CY 40521

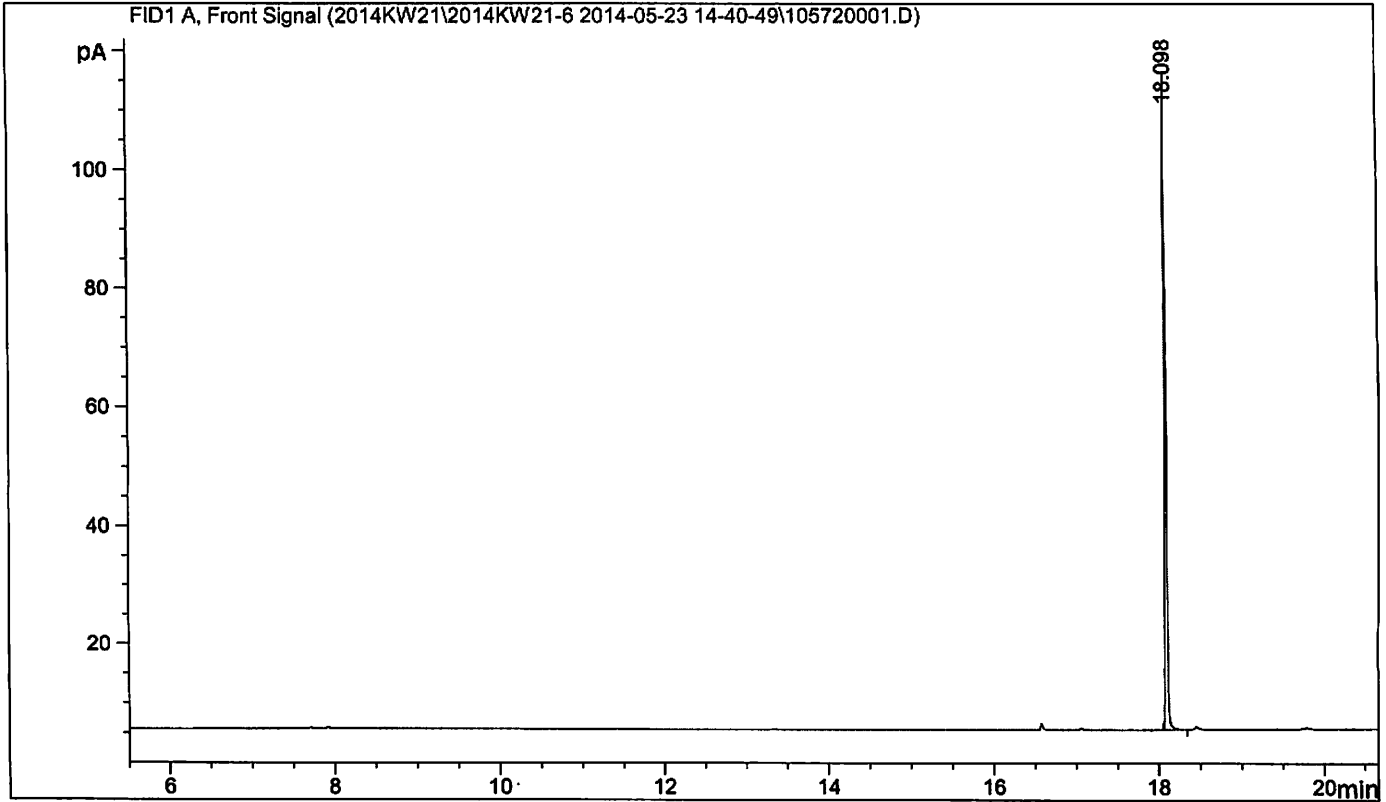
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Acq. Operator   : Dr. Heidrich                Seq. Line :    2
Acq. Instrument : GCFID2                      Location  : Vial 122
Injection Date  : 23.05.2014 15:36:34         Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\CHEM32\1\DATA\2014KW21\2014KW21-6 2014-05-23 14-40-49\PESK.M
Last changed    : 28.11.2012 09:59:49 by Dr. Heidrich
Analysis Method : C:\CHEM32\1\METHODS\PESK.M
Last changed    : 28.11.2012 09:59:49 by Dr. Heidrich
Method Info     : pesk

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Heidrich
26.05.14

Sample Info : 2-Benzyl-4-chlorophenol



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                          Area Percent Report
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Sorted By           :      Signal
Multiplier:         :      1.0000
Dilution:           :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

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Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	18.098	BB	0.0226	157.34859	110.26906	1.000e2
Totals :				157.34859	110.26906	

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*** End of Report ***

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