

# Certificate of Analysis

**EHRENSTORFER™**

## Product Identification

10572000 2-Benzyl-4-chlorophenol  
CA Phenol, 4-chloro-2-(phenylmethyl)-  
IUPAC 4-chloro-2-(phenylmethyl)-phenol  
Formula C<sub>13</sub>H<sub>11</sub>ClO  
Mol.Weight 218.69  
CAS No. 120-32-1

Expiry Date 04.04.2022

Lot Number 170067

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: 17.58 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, MS, EA, NMR

Comment

Water Content 0,5 % Determined by Karl-Fischer Titration

Det. Purity 96.2 % Tolerance/Uncertainty +/- 1.0 %

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  $U_c(y) \cdot K$ , 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 04.04.2018

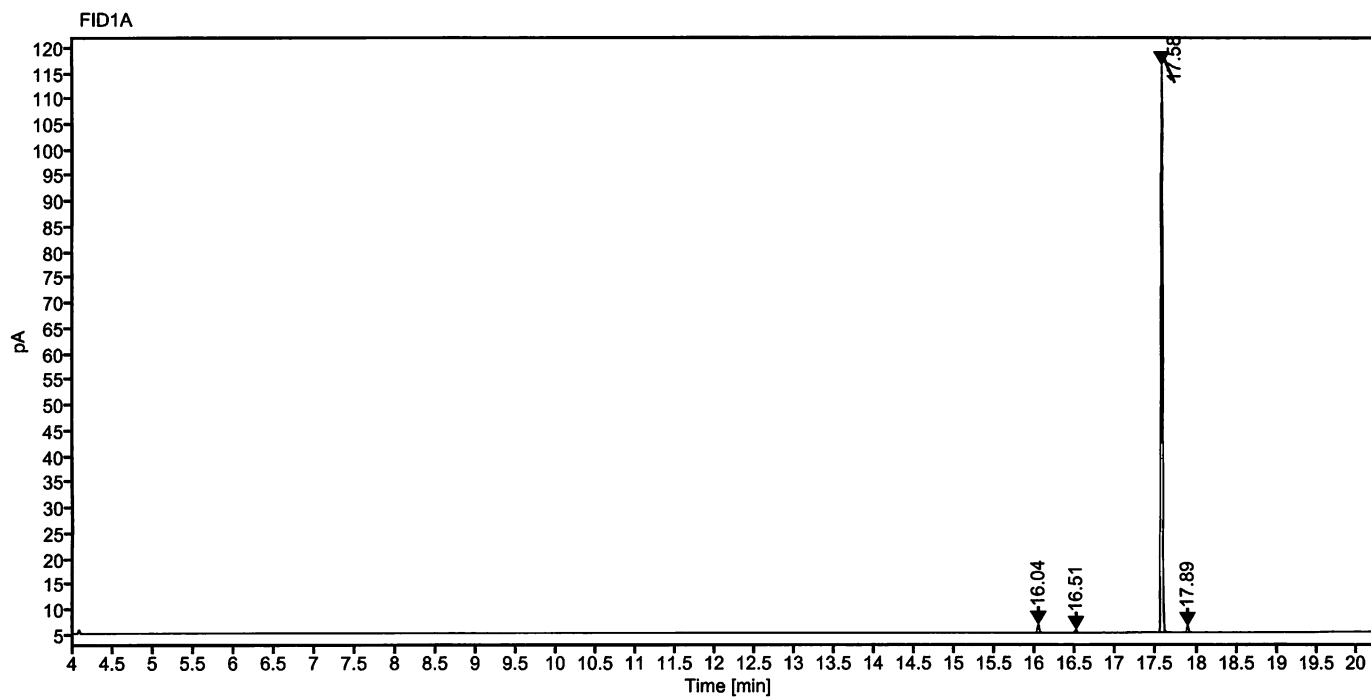
by M. Beck

The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 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.

Data file: 10572000-09-r001.dx Instrument: FID 2  
 Sample name: 80313CY 170067 Sequence Name: 2018KW11-3a  
 Inj. volume [µl]: 1.0 Injection date: 3/14/2018 9:28:43 PM  
 Acq. method: PESK.amx Location: 104

Sample Description 2-Benzyl-4-chlorophenol



Signal: FID1A					
Nr.	RT [min]	Area [pA*s]	Height [pA]	Area%	Width [min]
1	16.04	2.19769	1.65	1.43	0.092
2	16.51	0.95771	0.59	0.62	0.024
3	17.58	148.45847	111.21	96.75	0.217
4	17.89	1.82675	1.32	1.19	0.076
	Sum	153.44			

*Handwritten signature*