

# Certificate of Analysis

Dr. Ehrenstorfer



## Product Identification

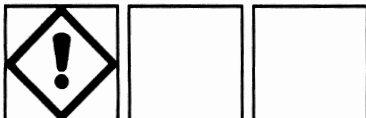
10735500 1-Bromo-2-nitrobenzene  
CA Benzene, 1-bromo-2-nitro-  
IUPAC 1-bromo-2-nitrobenzene  
Formula C<sub>6</sub>H<sub>4</sub>BrNO<sub>2</sub>  
Mol.Weight 202.01  
CAS No. 577-19-5

## Reference Materials for Residue Analysis

Expiry Date 12.07.2017  
Lot Number 10712  
Store at 20 °C ±4 °C

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

## Toxicological Data



R Code 22-53  
S Code 60-61  
LD50 (Rats female/male in mg/kg) N/A

## Physical Data

Phase crystalline solid  
Color yellowish  
Melt.Range 42.5 °C  
Vapour pressure N/A at °C  
Solubility in water N/A g/l at °C  
Boiling Range (lit.)

## Analytical Data

Detection: GC/MSD  
Column: DB-5, 30 m, ID 0.25 mm  
Inj.-Vol.: 1.00 µl  
Flow: 1.0 ml/min  
Ret.-Time: 12.54 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  
Comment

Water Content 0.0 % Determined by Karl-Fischer Titration  
Det. Purity 99.2 % 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  $Uc(y) \cdot K$ , 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 18.01.2012  
by L. Müller

*i.u. G. Fenzke*



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.



File :D:\2011\10735500, 10712-1.D  
Operator : JV  
Acquired : 20 Sep 2011 14:29 using AcqMethod PESK.M  
Instrument : Instrument #1  
Sample Name: 1-Bromo-2-nitrobenzene, pesk  
Misc Info :  
Vial Number: 27

22.09.11  
Wälzer

