

# Certificate of Analysis

Dr. Ehrenstorfer



## Product Identification

10662000 Boldenone  
CA 17b-Hydroxyandrosta-1,4-dien-3-one  
IUPAC 17b-Hydroxyandrosta-1,4-dien-3-one  
Formula C<sub>19</sub>H<sub>26</sub>O<sub>2</sub>  
Mol.Weight 286.41  
CAS No. 846-48-0

## Reference Materials for Residue Analysis

Expiry Date 24.03.2021  
Lot Number 133587  
Store at 20 °C ±4 °C

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

Toxicological Data	Physical Data
 R Code 40-48 S Code 36/37 LD50 (Rats female/male in mg/kg) N/A	Phase crystalline solid Color colourless Melt.Range Vapour pressure N/A at °C Solubility in water N/A g/l at °C Boiling Range (lit.)

Analytical Data	Method Details:
Detection: Column: Inj.-Vol.: Flow: Ret.-Time:	

Identity: NMR, MS, IR  
Comment For method information see chromatogram.

Water Content 0.1 % Determined by Karl-Fischer Titration  
Det. Purity 98.8 % 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 24.03.2017

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.

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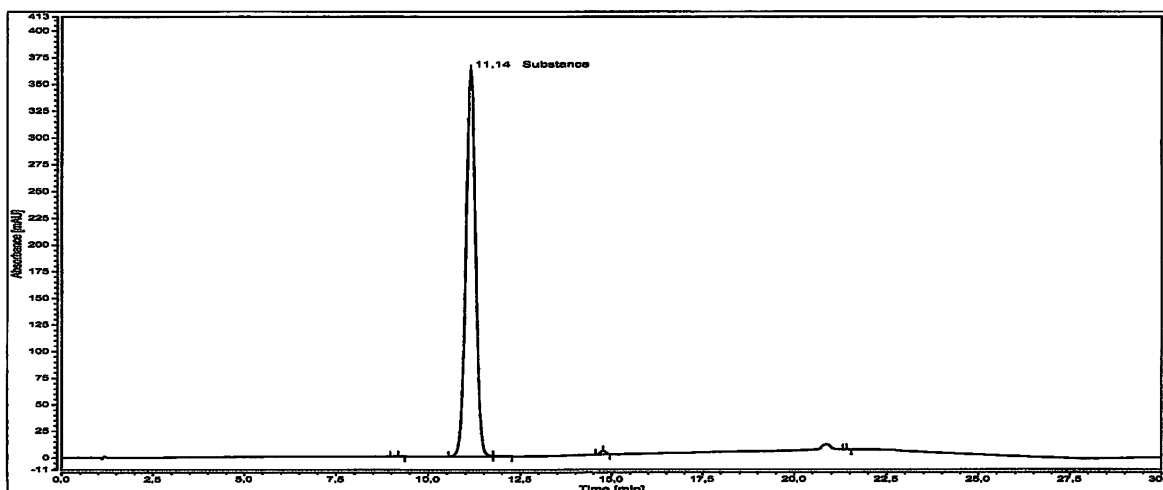
**Column:**  
LiChrospher 60 RP-select B  
5 µm, 125 x 4.0 mm

**Conditions:**  
1.00 ml/min, 40 °C  
mob. Phase A: Water, 0.1 % H<sub>3</sub>PO<sub>4</sub>  
mob. Phase B: Acetonitrile, 0.1 % H<sub>3</sub>PO<sub>4</sub>

**Detector:**  
DAD  
245 nm

**Injector:**  
Auto  
5 µl; 0.099 mg/ml in  
Acetonitrile/Water 50/50  
(v/v)

0-10 min A/B 68/32  
10-20 min A/B to 30/70  
20-25 min A/B to 68/32  
25-30 min A/B 68/32 (v/v)



**Area Percent Report - Sorted by Signal**

Pk#	Retention Time	Area	Area %
1	9.190	0.0544	0.05
2	11.140	110.0393	99.26
3	11.753	0.1685	0.15
4	14.773	0.5587	0.50
5	21.413	0.0405	0.04
Totals		110.8614	100.00

G. Beck