

# Certificate of Analysis

Dr. Ehrenstorfer




## Product Identification

15652005 19-Nortestosterone 17-decanoate  
CA 17b-Hydroxy-4-estren-3-one 17-decanoate  
IUPAC 4-Estren-17b-ol-3-one 17-decanoate  
Formula C<sub>28</sub>H<sub>44</sub>O<sub>3</sub>  
Mol.Weight 428.7  
CAS No. 360-70-3

## Reference Materials for Residue Analysis

Expiry Date 17.07.2016  
Lot Number 30122  
Store at 4 °C ± 4 °C

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

<b>Toxicological Data</b>  R Code 40 S Code 22-36 LD50 (Rats female/male in mg/kg) N/A	<b>Physical Data</b> Phase crystalline solid Color colourless Melt.Range 35.8 °C Vapour pressure NA at °C Solubility in water NA g/l at °C Boiling Range (lit.)
<b>Analytical Data</b> Detection: HPLC/DAD Inj.-Vol.: 10.00 µl Flow: 1.0 ml/min Ret.-Time: 5.44 min.	Method Details: Acetonitrile: 100%
Identity: UV, RT Comment Purity was determined by external standard method. Color is yellowish due to unknown impurities. Column: Reprosil 100 C8, 3µm, 250*3mm	
Water Content 0.1 % Det. Purity 95.5 %	Determined by Karl-Fischer Titration 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 17.07.2013

by Frank Hill

The Laboratory Labor Dr. Ehrenstorfer-Schäfers 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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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.

Sample Name: 30122AL 30122

*Handwritten:* MLE  
02.07.13

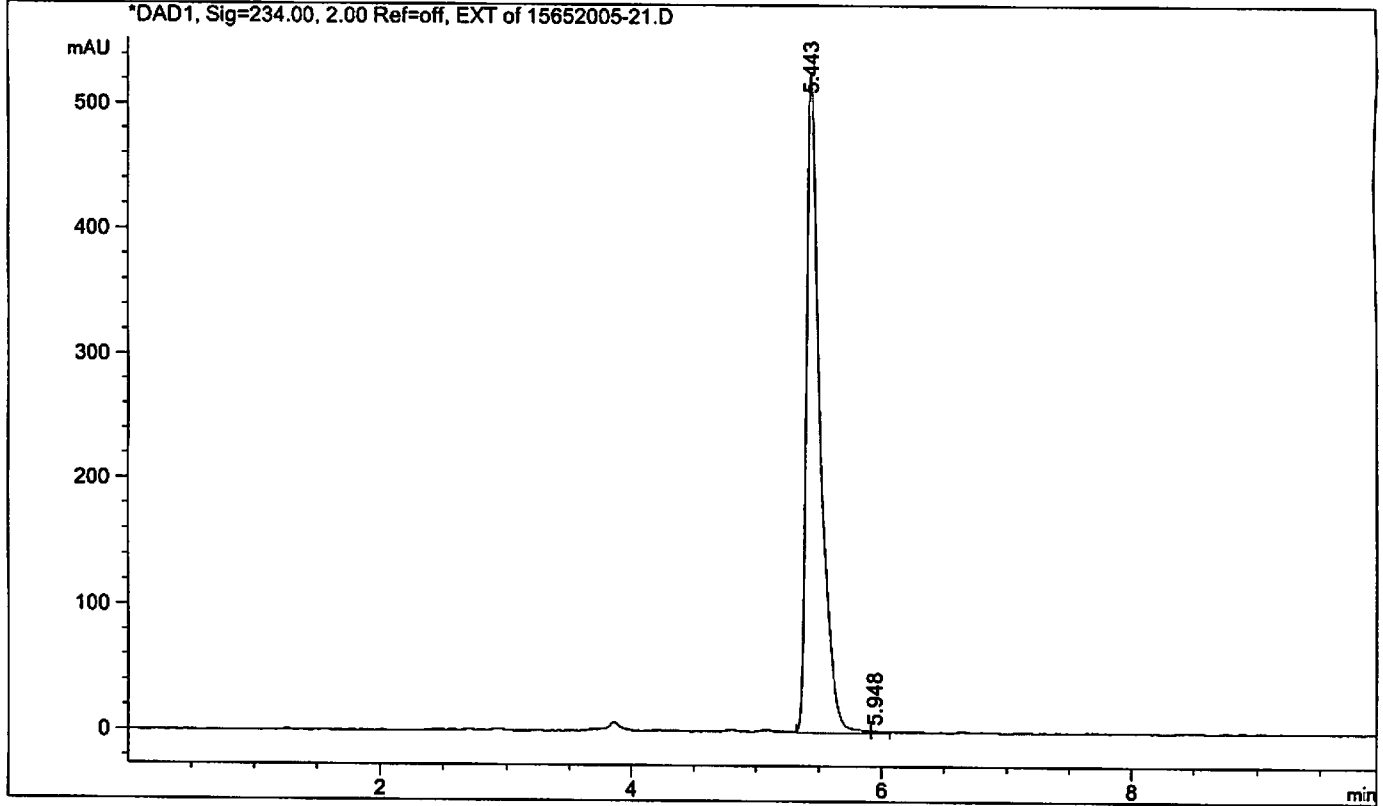
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Acq. Operator   : DAD1_Admin                      Seq. Line :   83
Acq. Instrument : Instrument 1                    Location  : Vial 76
Injection Date  : 02.07.2013 04:50:31           Inj       :    1
                                                    Inj Volume: 10.000 µl

Acq. Method     : C:\CHEM32\1\METHODS\100AL05_S2.M
Last changed    : 09.01.2013 11:10:56 by DAD1
Analysis Method : V:\DAD1\METHODS\100AL05_S2.M
Last changed    : 09.01.2013 11:10:56 by DAD1
Method Info     : Acetonitrile 100 %, Fluss 0.5 mL/min, Säule 2

Sample Info     : 19-Nortestosterone 17-decanoate
                  Column: Reprosil 100 C8 , 3µm 250 x 3 mm
  
```

Additional Info : Peak(s) manually integrated



Area Percent Report

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

Signal 1: DAD1, Sig=234.00, 2.00 Ref=off, EXT  
 Signal has been modified after loading from rawdata file!

Peak #	RetTime [min]	Sig	Type	Area [mAU*s]	Height [mAU]	Area %
1	5.443	1	BV	3951.04004	527.00879	99.7143
2	5.948	1	VB	11.32000	1.51280	0.2857

Totals : 3962.36004 528.52159

*Handwritten:* MLE