



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-221832A  
Lot Number: SAMPLE  
Product Name: Latanoprost (free acid)-d4  
CAS Number:  
Molecular Formula:  $C_{23}H_{30}D_4O_5$   
Molecular Weight: 394.5

| Test                                     | Specification  | Result   |
|--|--|--|
| Identification (Infrared Spectrum)       |  | Complies   |
| Identification (Mass Spectrometry - ESI) | M-H+ Expected: 393.51<br>-H2O Expected: 375.49   | Actual: 393.3<br>Actual: 375.3                     |
| Purity (HPLC)                            | Column: C18, 5 $\mu$ , 4.6 X 250 mm<br>Mob. Phase: Methanol:Water:Acetic acid (70:30:0.1)<br>Flow Rate: 1.00 ml/min<br>Detector UV: 210 nm | Retention Time Actual: 6.60 min<br>Purity: 100.0 % |
| Purity (TLC)                             | Mob. Phase: Ethyl Acetate:Acetic Acid<br>Stationary Phase: Silica Gel<br>Visualized With: Sulfuric Acid                                    | Rf: 0.28<br>Purity: 100%                           |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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