



*The Power to Question*

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-280675A  
Lot Number: SAMPLE  
Product Name: Digitonin  
CAS Number: 11024-24-1  
Molecular Formula:  $C_{56}H_{92}O_{29}$   
Molecular Weight: 1229.31

| Test                 | Specification                              | Result   |
|----------------------|--------------------------------------------|----------|
| Appearance           | White to pale yellow crystalline           | Complies |
| Identification (TLC) |                                            | Complies |
| Melting Point        | 232 - 234°C (decomposition)                | 232°C    |
| Residue on Ignition  | ≤ 0.3%                                     | 0.01%    |
| Solubility           | Completely soluble at 2.5% in warm ethanol | Complies |
| Solution (Color)     | ≥ J6 (EP 7.0)                              | Complies |
| Specific Rotation    | -51.0 to -45.0° (10% in 75% acetic acid)   | -47.9°   |
| Loss on Drying       | ≤ 6.0% (105°C)                             | 0.2%     |

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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