



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-252340
Lot Number: SAMPLE
Product Name: α -Solanine
CAS Number: 20562-02-1
Molecular Formula: $C_{45}H_{73}NO_{15}$
Molecular Weight: 868.06
Native Source: natural source

| Test | Specification | Result |
|------------------------------------|---------------------------|--------------------|
| Appearance (Color) | White | Complies |
| Appearance (Form) | Powder | Complies |
| Identification (Infrared Spectrum) | Complies with structure | Complies |
| Purity (TLC) | $\geq 95 \%$ | 99 % |
| Solubility | 50 mg/ml in Pyridine | Complies |
| Solution (Color) | Colorless | Complies |
| Solution (Turbidity) | Clear | Complies |
| Carbon | 58.8 - 65.7 % (anhydrous) | 62.2 % (anhydrous) |
| Nitrogen | 1.2 - 2.0 % (anhydrous) | 1.7 % (anhydrous) |
| Water Content | $\leq 6.5 \%$ | 6.4 % |

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