



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-216078  
Lot Number: SAMPLE  
Product Name: (±)-α-Tocopherol nicotinate  
CAS Number: 51898-34-1  
Molecular Formula:  $C_{35}H_{53}NO_3$   
Molecular Weight: 535.80

| Test                               | Specification                                             | Result                  |
|------------------------------------|-----------------------------------------------------------|-------------------------|
| Appearance                         | White to yellow-tan solid to liquid                       | Off-white semi-solid    |
| Identification (Infrared Spectrum) | Consistent with structure                                 | Complies                |
| Purity (TLC)                       | ≥ 98%                                                     | 99%                     |
| Solubility                         | Clear colorless to yellow solution at 50 mg/ml in ethanol | Clear very faint yellow |
| Carbon Content                     | 76.9 - 80.0%                                              | 78.8%                   |
| Nitrogen Content                   | 2.1 - 3.1%                                                | 2.6%                    |

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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