



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-214456
Lot Number: SAMPLE
Product Name: (\pm)- α -Tocopherol phosphate disodium salt
CAS Number: 60934-46-5
Molecular Formula: $C_{29}H_{49}O_5PNa_2$
Molecular Weight: 554.65

| Test | Specification | Result |
|------------------------------------|-------------------------------|----------------------------|
| Appearance (Color) | White to Off White | White |
| Appearance (Form) | Powder | Complies |
| Identification (Infrared Spectrum) | Consistent with structure | Complies |
| Purity (HPLC) | $\geq 97.0\%$ | 97.8% |
| Purity (IONX-HPLC) | $\leq 0.2\%$ (free Phosphate) | $< 0.2\%$ (free Phosphate) |
| Solution (Color) | Colorless to Faint Yellow | Colorless |
| Solution (Turbidity) | Clear to Very Slightly Hazy | Clear |
| Specific Rotation | -0.4 - 0.4 ° | -0.1 ° |
| Carbon | 60.0 - 64.0 % (anhydrous) | 62.5% (anhydrous) |
| Water Content (KF) | $\leq 7.2\%$ | 4.3 % |

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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