



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-213376
Lot Number: SAMPLE
Product Name: 1-Naphthyl phosphate potassium salt
CAS Number: 100929-85-9
Molecular Formula: $C_{10}H_8O_4PK$
Molecular Weight: 262.24

| Test | Specification | Result |
|------------------------------------|---|-----------------|
| Appearance | White to off-white powder | White powder |
| Identification (Infrared Spectrum) | Consistent with structure | Complies |
| Purity (Titration) | $\geq 98 \%$ | 100 % |
| Purity (TLC) | $\leq 0.1 \%$ alpha-naphthol | Complies |
| Solubility | Clear colorless to faint yellow solution at 50 mg plus 1ml of water | Clear colorless |
| Phosphorus | 11.5 - 12.1 % | 11.6 % |
| Potassium | 14.2 - 15.6 % | 14.3 % |
| Water Content (KF) | $\leq 4 \%$ (0.5 moles/mole) | 0.0 % |

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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