



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-481693  
Lot Number: SAMPLE  
Product Name: 1-Naphthyl phosphate monosodium salt monohydrate  
CAS Number: 81012-89-7  
Molecular Formula:  $C_{10}H_8O_4P \cdot Na \cdot H_2O$   
Molecular Weight: 264.15

Test	Specification	Result
Appearance	White to off white powder	White powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	$\leq 0.1\%$ ALPHA-NAPHTHOL	0.0%
Purity (Titration)	$\geq 98\%$ (Anhydrous basis)	100.0%
Solubility	Colorless to very faint yellow clear solution at 50 mg/ml in water	Colorless clear solution at 50 mg/ml in water
Phosphorus	12.0 - 13.5%	12.3%
Sodium	8.5 - 10.5% (Anhydrous basis)	9.1%
Water Content	$\leq 10.0$ ( 1.5Mols/Mol)	6.6%

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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