



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-250718
Lot Number: SAMPLE
Product Name: Phytic acid sodium salt hydrate
CAS Number: 14306-25-3 (anhydrous)
Molecular Formula: $C_6H_{18}O_{24}P_6 \cdot xNa^{++} \cdot yH_2O$
Molecular Weight: 660.04 (anhydrous free acid basis)

Test	Specification	Result
Appearance (Color)	White to off-white	white
Appearance (Form)	Powder	Powder
Identification (1H-NMR)	Conforms to structure	Complies
Identification (13C-NMR)	Conforms to structure	Complies
Solubility	50 mg/ml in water	50 mg/ml in water
Solution (Color)	Colorless to faintly yellow	Colorless
Solution (Turbidity)	Clear to very slightly hazy	Clear
Loss on Drying	Report result	6%
Calcium (ICP)	$\leq 2\%$ (dried basis)	Complies
Phosphorus (ICP)	19.0 - 25.0% (dried basis)	21.1% (dried basis)
Sodium (ICP)	≥ 5 moles/mole	5 moles/mole

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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