



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-208170
Lot Number: SAMPLE
Product Name: Phosphoenolpyruvic acid, trisodium salt hydrate
CAS Number: 5541-93-5
Molecular Formula: $C_3H_2O_6PNa_3 \cdot 7H_2O$
Molecular Weight: 360.09

Test	Specification	Result
Appearance (Color)	White to off-white	White
Appearance (Form)	Crystalline Powder	Crystalline Powder
Assay (Enzyme)	97.0% - 103.0%	100.5%
Purity (Titration)	97.0% - 103.0% at 0.1 mol/L	100.9% at 0.1 mol
Solution (Color)	Colorless at 5% in water	Colorless at 5% in water
Solution (Turbidity)	≤ 2.0 NTU at 0.5% in water	0.3 NTU at 0.5% in water
FTIR	Corresponds to reference spectrum	Complies
Phosphorus	$\leq 0.2\%$ (Inorganic)	$< 0.1\%$ (Inorganic)
Phosphorus	$\geq 8.2\%$ (Organic)	8.6% (Organic)
Phosphorus (ICP)	8.3% - 8.9%	8.6%
Water Content (KF)	33.0% - 37.0%	34.5%

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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