

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	21459
Product	Phosphoenolpyruvic acid trisodium salt heptahydrate
Lot Number	000156-0000013963 2-(Phosphonooxy)-2-propenoic acid trisodium salt PEP•3Na•7H ₂ O
CAS Number	5541-93-5
Molecular Formula	C ₃ H ₁₆ Na ₃ O ₁₃ P
Molecular Weight	360.09

Appearance	White crystalline powder
Solubility	Colorless solution (5% in Water)
Turbidity	0.6 NTU (0.5% in Water)
Water Content (Karl Fisher)	35.3% (Theoretical for heptahydrate: 35.02%)
Infrared Spectrum	Conforms to structure
Assay by titration	101.4% (On dry basis)
Storage	Store at 0-8 °C
Additional Information	Enzymatic assay: 99.4% Phosphorus Content: 8.8% Inorganic Phosphorus: < 0.1% Organic Phosphorus: 8.8%
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager