



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-214896  
Lot Number: SAMPLE  
Product Name: Dihydroxyacetone phosphate dilithium salt  
CAS Number: 102783-56-2  
Molecular Formula:  $C_3H_5Li_2O_6P$   
Molecular Weight: 181.92

Test	Specification	Result
Appearance	White to off white powder	White powder
Purity (Enzymatic)	$\geq 93\%$ (dry basis)	100%
Solution (Color)	Colorless to faint yellow (50 mg/ml in water)	Colorless
Solution (Turbidity)	Clear (50 mg/ml in water)	Complies
Solvent Content (GC)	$\leq 5\%$	0%
D-glyceraldehyde-3-phosphate	$\leq 0.3\text{ mol}\%$	0.1 mol%
Inorganic Phosphorus	$\leq 7\text{ mol}\%$	2 mol%
Lithium	5.5 - 8.0% (dry basis)	7.7%
Phosphorus	17.6 - 20.6 % (Dry basis and lithium corrected)	20.4%
Water Content	$\leq 10\%$ (By NMR, 1 mol/mol)	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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