



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-221180
Lot Number: SAMPLE
Product Name: α -D-Glucose 1-phosphate disodium salt
CAS Number: 56401-20-8
Molecular Formula: $C_6H_{11}O_9P \cdot Na_2$
Molecular Weight: 304.10

Test	Specification	Result
Appearance	White powder	Complies
Colorimetric Assay	$\leq 0.1\%$ (Starch)	0.0%
Purity (Enzymatic)	$\geq 95\%$ (anhydrous)	98%
Solubility	Clear and colorless solution at 50 mg/mL in H ₂ O	Complies
Impurity	0.25 - 1.00 mole% (Alpha-D-Glucose 1,6-Diphosphate)	0.57 mole%
Glucose	≤ 0.1 mole% (by Enzymatic)	0.0 mole%
Sodium	12.5 - 18.0% (anhydrous)	14.8%
Water Content (KF)	$\leq 20.7\%$	19.2%

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com