



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-214805
Lot Number: SAMPLE
Product Name: D-Fructose 1,6-bisphosphate trisodium salt hydrate
CAS Number: 38099-82-0 (anhydrous)
Molecular Formula: $C_6H_{11}Na_3O_{12}P_2$
Molecular Weight: 406.06 (anhydrous basis)

Test	Specification	Result
Appearance	White to off-white powder	White powder
Identification (1H -NMR)	Consistent with structure	Complies
Identification (^{13}C -NMR)	Consistent with structure	Complies
Identification (^{31}P -NMR)	Consistent with structure	Complies
Purity (TLC)	$\geq 98\%$	$> 99\%$
Solubility	Clear colorless to faint yellow solution in water at 50 mg/ml	Clear colorless solution in water at 50 mg/ml
Solvent Content (GC)	$\leq 3\%$	None detected
Fructose 6-phosphate	$\leq 0.1\%$	0.06%
Glucose 6-phosphate	$\leq 0.1\%$	0.01%
Phosphorus	14.5 - 16.1%	15.9%
Sodium	14.6 - 18.8%	16.1%
Water Content (KF)	$\leq 30\%$	26.2%

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