



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-498914
Lot Number: SAMPLE
Product Name: D-Glucose 6-Phosphate-13C6 Sodium Salt Hydrate
CAS Number: 3671-99-6 (unlabeled)
Molecular Formula: $(^{13}\text{C})_6\text{H}_{12}\text{NaO}_9\text{P}$
Molecular Weight: 306.13

Test	Specification	Result
Appearance	Pale brown to brown solid	Pale brown to brown solid
Identification (NMR)	Conforms to structure	Conforms
Identification (13C-NMR)	Conforms to structure	Conforms
Identification (31P-NMR)	Conforms to structure	Conforms
Identification (Mass Spectrometry)	Conforms to structure	Conforms
Isotopic Purity	> 95%	97.6% (13C0 = 0.32%)
Purity (HPLC)	> 95%	99.33% (ELSD)
Specific Rotation		+24.0° (c = 0.1, Water; 4 Hours)
Sodium Content		6.98% by Ion Chromatography
Water Content (KF)		5.5%

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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