



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-283188
Lot Number: SAMPLE
Product Name: 2-Keto-D-gluconic acid hemicalcium salt monohydrate
CAS Number: 3470-37-9
Molecular Formula: $C_6H_9O_7 \cdot \frac{1}{2}Ca \cdot H_2O$
Molecular Weight: 231.22

Test	Specification	Result
Appearance	White to off-white crystalline powder	White crystalline powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity	$\geq 99\%$	99.3%
Solubility	Clear, colorless solid (5% in water)	Complies
Specific Rotation ($\alpha_{20/D}$)	-68 - -72° (c = 2, H ₂ O)	-70.3°
Water Content (KF)	$\leq 14\%$	Complies

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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