



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-257031
Lot Number: SAMPLE
Product Name: α -Cyclodextrin
CAS Number: 10016-20-3
Molecular Formula: $C_{36}H_{60}O_{30}$
Molecular Weight: 972.84

Test	Specification	Result
Appearance	White powder	Complies
Purity (HPLC)	$\geq 98\%$	$\geq 99\%$
Residue on Ignition	$\leq 0.1\%$	0.0%
Solubility	Clear, colourless solution (1% in water)	Complies
Specific Rotation ($\alpha_{25/D}$)	$+145 - +151^\circ$ (c = 1, water)	$+148^\circ$
Heavy Metals	≤ 5 ppm	Complies
Loss on Drying	$\leq 16.0\%$	10.9%
Arsenic	≤ 2 ppm	≤ 1 ppm
Lead	≤ 0.5 ppm	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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