

Certificate of Analysis

Date of Testing: 2024-10-26 15:25:39
Date of Next Testing: 2028-10-25 15:25:39
Product Name: **α -Cyclodextrin**
CAS Number: 10016-20-3
Specifications & Purity: $\geq 98\%$ (HPLC)
Lot #: J2423529
SKU #: **C106777**
Version: **1**
Analysis #: **414868**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.48600 %
Ignition Residue (as sulfate)	0-0.05 (%)	0.00 %
Water by Karl Fischer	0-14.5 (%)	9.61 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})(\text{calcd. on anh. substance})$	146-153 ($^{\circ}$)	146.10 $^{\circ}$
Appearance (C106777)	white powder	White powder
Solubility, Colorless Clear, 1 mg/ml, H ₂ O	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager