

Certificate of Analysis

Date of Testing: 2024-07-02 12:00:45
Date of Next Testing: 2028-07-01 12:00:45
Product Name: **α -Cyclodextrin**
CAS Number: 10016-20-3
Specifications & Purity: $\geq 98.0\%$ (HPLC)
Lot #: F2424106
SKU #: **C106777**
Version: **0**
Analysis #: **365520**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.82400 %
Ignition Residue (as sulfate)	0-0.05 (%)	0.03 %
Water by Karl Fischer	0-14.5 (%)	9.89 %
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