

## Certificate of Analysis

Date of Testing: 2024-12-20 14:55:06  
Date of Next Testing: 2028-12-19 14:55:06  
Product Name: **α-Cyclodextrin**  
CAS Number: 10016-20-3  
Specifications & Purity: ≥98%(HPLC)  
Lot #: L2418481  
SKU #: **C106777**  
Version: **1**  
Analysis #: **437888**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.24100 %
Ignition Residue (as sulfate)	0-0.05 (%)	0.00 %
Water by Karl Fischer	0-14.5 (%)	10.60 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)(calcd.on anh.substance)	146-153 (°)	147.20 °
Appearance (C106777)	white powder	White powder
Solubility,Colorless Clear , 1 mg/ml, H <sub>2</sub> O	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager