

## Certificate of Analysis

Date of Testing: 2022-11-09 15:39:28  
Date of Next Testing: 2026-11-08 15:39:28  
Product Name: **α-Cyclodextrin**  
CAS Number: 10016-20-3  
Specifications & Purity: ≥98.0%(HPLC)  
Lot #: K2203189  
SKU #: **C106777**  
Analysis: **153478**

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)(calcd.on anh.substance)	146-153 (°)	146.36 °
Purity(HPLC)	98-100 (%)	99.60900 %
Ignition Residue (as sulfate)	0-0.05 (%)	0.04 %
Water by Karl Fischer	0-14.5 (%)	8.03 %
Appearance (C106777)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility,Colorless Clear , 1 mg/ml, H <sub>2</sub> O	pass	Pass



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QA & QC Manager