

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-06 10:17:17  
Date of Next Testing: 2028-03-05 10:17:17  
Product Name: **α-Cyclodextrin**  
CAS Number: 10016-20-3  
Specifications & Purity: ≥98.0%(HPLC)  
Lot #: C2401169  
SKU #: **C106777**  
Analysis: **321749**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.12700 %
Ignition Residue (as sulfate)	0-0.05 (%)	0.03 %
Water by Karl Fischer	0-14.5 (%)	9.56 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})(\text{calcd. on anh. substance})$	146-153 (°)	146.10°
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