

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-23 15:07:01  
 Date of Next Testing: 2027-11-22 15:07:01  
 Product Name: **β-Cyclodextrin**  
 CAS Number: 7585-39-9  
 Specifications & Purity: 98%  
 Lot #: K2321074  
 SKU #: **C104384**  
**Analysis:** **291047**  
 Storage Temperature: Desiccated

Parameter	Limit Values	Result
Water by Karl Fischer	0-14 (%)	9.55 %
Purity(HPLC)	98-100 (%)	98.66400 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O) (anhydrous)	161-165 (°)	164.55 °
Carbon by Elemental Analysis(anhydrous)	43-44 (%)	43.07 %
Oxygen by Elemental Analysis (dry basis)	48.9-49.9 (%)	49.11 %
Appearance (C104384)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
Solubility in 1M NH <sub>4</sub> OH	Colorless to light yellow, Clear, 50 mg/ml	Colorless to light yellow, Clear, 50 mg/ml
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager