

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-17 13:30:55  
Date of Next Testing: 2028-12-16 13:30:55  
Product Name: **β-Cyclodextrin**  
CAS Number: 7585-39-9  
Specifications & Purity: ≥98%  
Lot #: L2413636  
SKU #: **C104384**  
Version: **0**  
Analysis #: **400488**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Water by Karl Fischer	0-14 (%)	4.39%
Purity(HPLC)	98-100 (%)	99.51000%
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O) (anhydrous)	161-165 (°)	161.08°
Carbon by Elemental Analysis(anhydrous)	43-44 (%)	43.08%
Oxygen by Elemental Analysis (dry basis)	48.9-49.9 (%)	48.92%
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