

## Certificate of Analysis

Date of Testing: 2022-10-28 15:41:33

Date of Next Testing: 2026-10-27 15:41:33

Product Name: **β-Cyclodextrin**

CAS Number: 7585-39-9

Specifications &amp; Purity: 98%

Lot #: J2226302

SKU #: **C104384****Analysis: 120469**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Water by Karl Fischer	0-14 (%)	8.79%
Purity(HPLC)	98-100 (%)	99.94600%
Oxygen by Elemental Analysis (dry basis)	48.9-49.9 (%)	48.91%
Carbon by Elemental Analysis(anhydrous)	43-44 (%)	43.01%
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O) (anhydrous)	161-165 (°)	161.01°
Appearance (C104384)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1M NH <sub>4</sub> OH	Colorless to light yellow, Clear, 50 mg/ml	Colorless to light yellow, Clear, 50 mg/ml

John Su  
QA & QC Manager