

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-01-04 09:35:24  
 Date of Next Testing: 2030-01-03 09:35:24  
 Product Name: **β-Cyclodextrin**  
 CAS Number: 7585-39-9  
 Specifications & Purity: ≥98%  
 Lot #: L2529131  
 SKU #: **C104384**  
 Version: **0**  
 Analysis #: **616580**  
 Storage Temperature: Room temperature, Desiccated

| Parameter                                                                      | Limit Values                                  | Result                                        |
|--------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Water by Karl Fischer                                                          | 0-14 (%)                                      | 6.98470 %                                     |
| Purity(HPLC)                                                                   | 98-100 (%)                                    | 99.98000 %                                    |
| Specific Rotation [α] <sub>20/D</sub> (c=1 in H <sub>2</sub> O)<br>(anhydrous) | 161-165 (°)                                   | 161.05000 °                                   |
| Carbon by Elemental Analysis(anhydrous)                                        | 43-44 (%)                                     | 43.05000 %                                    |
| Oxygen by Elemental Analysis (dry basis)                                       | 48.9-49.9 (%)                                 | 48.91000 %                                    |
| Appearance (C104384)                                                           | White Powder, Crystals and/or<br>Chunks       | White Powder, Crystals and/or<br>Chunks       |
| Solubility in 1M NH <sub>4</sub> OH                                            | Colorless to light yellow, Clear, 50<br>mg/ml | Colorless to light yellow, Clear, 50<br>mg/ml |
| Infrared spectrum                                                              | Conforms to Structure                         | Conforms to Structure                         |



John Su  
QA & QC Manager