

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2025-01-20 15:34:18

Date of Next Testing: 2029-01-19 15:34:18

Product Name: **β-Cyclodextrin**

CAS Number: 7585-39-9

Specifications & Purity: ≥98%

Lot #: A2510235

SKU #: **C104384**

Version: **0**

Analysis #: **383473**

Storage Temperature: Room temperature, Desiccated

| Parameter                                                                      | Limit Values                                  | Result                                        |
|--------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)<br>(anhydrous) | 161-165 (°)                                   | 161.26000 °                                   |
| Purity(HPLC)                                                                   | 98-100 (%)                                    | 99.60000 %                                    |
| Water by Karl Fischer                                                          | 0-14 (%)                                      | 13.83980 %                                    |
| Carbon by Elemental Analysis(anhydrous)                                        | 43-44 (%)                                     | 43.94700 %                                    |
| Oxygen by Elemental Analysis (dry basis)                                       | 48.9-49.9 (%)                                 | 49.01500 %                                    |
| Appearance (C104384)                                                           | White Powder, Crystals and/or<br>Chunks       | White Powder, Crystals and/or<br>Chunks       |
| Infrared spectrum                                                              | Conforms to Structure                         | Conforms to Structure                         |
| 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 |



John Su  
QA & QC Manager