

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-06-13 09:48:21

Date of Next Testing: 2030-06-12 09:48:21

Product Name: **γ-Cyclodextrin**

CAS Number: 17465-86-0

Specifications & Purity: ≥98%

Lot #: F2611461

SKU #: **C103968**

Version: **0**

Analysis #: **715066**

Storage Temperature: Room temperature, Argon charged

| Parameter                                                                               | Limit Values          | Result                |
|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|
| Water by Karl Fischer                                                                   | 0-12 (%)              | 11.53430 %            |
| Purity(HPLC)                                                                            | 98-100 (%)            | 99.97100 %            |
| Specific Rotation [α] <sub>20/D</sub> (c=1 in H <sub>2</sub> O in as anhydride)         | 176-180 (°)           | 176.28000 °           |
| Appearance (C103968)                                                                    | white powder          | White powder          |
| Proton NMR spectrum                                                                     | Conforms to Structure | Conforms to Structure |
| Solubility in 1 M NH <sub>4</sub> OH , Colorless, Clear to Very Slightly Hazy, 50 mg/mL | pass                  | Pass                  |
| Infrared spectrum                                                                       | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager