

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-15 16:46:41  
Date of Next Testing: 2029-12-14 16:46:41  
Product Name: **γ-Cyclodextrin**  
CAS Number: 17465-86-0  
Specifications & Purity: ≥98%  
Lot #: L2508404  
SKU #: **C103968**  
Version: **0**  
Analysis #: **609685**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-12 (%)	5.44%
Purity(HPLC)	98-100 (%)	99.91100%
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O in as anhydride)	176-180 (°)	176.30°
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