

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-13 15:30:29

Date of Next Testing: 2026-12-12 15:30:29

Product Name: **γ-Cyclodextrin**

CAS Number: 17465-86-0

Specifications & Purity: ≥98%

Lot #: L2206604

SKU #: **C103968**

Version: **0**

Analysis #: **148131**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-12 (%)	9.22290 %
Purity(HPLC)	98-100 (%)	99.67600 %
Specific Rotation [α] _{20/D} (c=1 in H ₂ O in as anhydride)	176-180 (°)	179.98000 °
Appearance (C103968)	white powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 M NH ₄ 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