

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-27 16:24:58

Date of Next Testing: 2027-11-26 16:24:58

Product Name: **γ-Cyclodextrin**

CAS Number: 17465-86-0

Specifications & Purity: ≥98%

Lot #: K2320037

SKU #: **C103968**

Version: **0**

Analysis #: **056985**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-12 (%)	8.11440 %
Purity(HPLC)	98-100 (%)	98.49900 %
Specific Rotation [α] _{20/D} (c=1 in H ₂ O in as anhydride)	176-180 (°)	176.01000 °
Appearance (C103968)	white powder	White powder
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
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager