

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-14 15:37:22
 Date of Next Testing: 2028-09-13 15:37:22
 Product Name: **γ-Cyclodextrin**
 CAS Number: 17465-86-0
 Specifications & Purity: ≥98%
 Lot #: I2411184
 SKU # **C103968**
 Version **0**
 Analysis #: **368863**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-12 (%)	10.16610 %
Purity(HPLC)	98-100 (%)	98.97300 %
Specific Rotation [α] _{20/D} (c=1 in H ₂ O in as anhydride)	176-180 (°)	177.00000 °
Appearance (C103968)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
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



John Su
QA & QC Manager