

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-06-12 16:34:23  
Date of Next Testing: 2028-06-11 16:34:23  
Product Name: **γ-Cyclodextrin**  
CAS Number: 17465-86-0  
Specifications & Purity: 98%,for cell culture  
Lot #: F2404218  
SKU #: **C103967**  
Version: **1**  
Analysis #: **357427**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.32200 %
Water by Karl Fischer	0-12 (%)	7.60 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O in as anhydride)	176-180 (°)	176.20 °
Appearance (C103967)	white powder	White powder
Solubility in 1 M NH <sub>4</sub> OH , Colorless,Clear to Very Slightly Hazy,50 mg/mL	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure
Cell Culture Test	pass	Pass



John Su  
QA & QC Manager