

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-08 10:34:49
Date of Next Testing: 2026-12-07 10:34:49
Product Name: **γ-Cyclodextrin**
CAS Number: 17465-86-0
Specifications & Purity: 98%,for cell culture
Lot #: B1920050
SKU #: **C103967**
Analysis: **164570**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.85200%
Water by Karl Fischer	0-12 (%)	9.11%
Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O in as anhydride)	176-180 (°)	176.41°
Appearance (C103967)	white powder	White powder
Cell Culture Test	pass	Pass
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