

Certificate of Analysis

Date of Testing: 2022-07-20 15:48:26
Date of Next Testing: 2026-07-19 15:48:26
Product Name: **γ-Cyclodextrin**
CAS Number: 17465-86-0
Specifications & Purity: 98%,for cell culture
Lot #: J1422008
SKU #: **C103967**
Analysis: **115486**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.32500 %
Water by Karl Fischer	0-12 (%)	6.30 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O in as anhydride})$	176-180 (°)	178.20°
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