

Certificate of Analysis

Date of Testing: 2023-08-15 13:24:31

Date of Next Testing: 2025-08-14 13:24:31

Product Name: **α -Cholestane**

CAS Number: 481-21-0

Specifications & Purity: $\geq 97\%$ (GC)

Lot #: K2109483

SKU # **C133856**

Analysis: **264153**

Parameter	Limit Values	Result
Carbon by Elemental Analysis(anhydrous)	86.5-87.5 (%)	86.90 %
Purity(GC)	97-100 (%)	99.50 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 18.00 - 22.00 \text{ mg/ml Chlorofo})$	23-27 ($^{\circ}$)	24.66 $^{\circ}$
Appearance (C133856)	white powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in CHCL ₃ , clear colorless to light yellow solution,50mg/ml	pass	Pass



John Su
QA & QC Manager