

Certificate of Analysis

Date of Testing: 2023-08-22 10:44:22
Date of Next Testing: 2027-08-21 10:44:22
Product Name: **Cholesteryl stearate**
CAS Number: 35602-69-8
Specifications & Purity: $\geq 97.0\%$
Lot #: H2316331
SKU #: **C113862**
Analysis: **256418**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20}^D(c=2 \text{ in } \text{CHCl}_3)$	-25--21 (°)	-23.11°
Purity(HPLC)	97-100 (%)	98.26600%
Appearance (C113862)	White to off-white solid	White to off-white solid
cholesteric phase to smectic phase	75.5 °C	75.5 °C
crystalline phase to isotropic phase	83 °C	83 °C
isotropic phase to cholesteric phase	79.5 °C	79.5 °C
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility,Colorless to Pale Yellow,Clear,25mg/ml in CHCl_3	pass	Pass



John Su
QA & QC Manager