

## Certificate of Analysis

Date of Testing: 2023-08-22 10:42:58

Date of Next Testing: 2027-08-21 10:42:58

Product Name: **Cholesteryl stearate**

CAS Number: 35602-69-8

Specifications & Purity:  $\geq 97.0\%$

Lot #: H2316330

SKU #: **C113862**

**Analysis: 256418**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20}^D(c=2 \text{ in CHCl}_3)$	-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 <sub>3</sub>	pass	Pass



John Su  
QA & QC Manager