

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-08-22 10:43:32
Date of Next Testing:	2027-08-21 10:43:32
Product Name:	<b>Cholesteryl stearate</b>
CAS Number:	35602-69-8
Specifications & Purity:	≥97.0%
Lot #:	H2316329
SKU #	<b>C113862</b>
<b>Analysis:</b>	<b>256418</b>

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=2 in CHCL <sub>3</sub> )	-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