

Certificate of Analysis

Date of Testing: 2024-03-16 15:40:25

Date of Next Testing: 2027-03-16 15:40:25

Product Name: **Cholesterol, Plant-Derived**

CAS Number: 57-88-5

Specifications & Purity: 98%

Lot #: C2406521

SKU #: **C432977**

Analysis: **332374**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=2 in Dioxane)	-38~-34 (°)	-35.67°
Sulphated ash	0-0.1 (%)	0.00000 %
Carbon by Elemental Analysis	82.9-84.9 (%)	83.62 %
Heavy metals (as Lead)	0-20 (ppm)	0.00000 ppm
Hydrogen by Elemental Analysis	11.43-12.38 (%)	12.00 %
Loss on drying	0-0.3 (%)	0.00 %
Melting point	147-150 (°C)	147.91000 °C
Impurity(Campersterol)	0-2 (%)	0.00000 %
Impurity(Sitosterol)	0-2 (%)	0.00000 %
Total Impurities	0-2 (%)	0.00000 %
Methanol(CH ₃ OH)	0-3000 (ppm)	0.00 ppm
Residual Solvent(Ethyl Acetate)	0-5000 (ppm)	0.00000 ppm
Purity(HPLC area)	98-100 (%)	99.62 %
Appearance(C432977)	White to Off-White Crystalline Powder or Flakes	White to Off-White Crystalline Powder or Flakes
Solubility at 1% & 2% in warm alcohol , Clear, no turbidity after two hours	Pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
TLC	corresponds to standard	corresponds to standard



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager