

Certificate of Analysis

Product Description: Cholesterol, NF
Catalog Number: 101380
Lot: SR03947

Formula: C₂₇H₄₆O
CAS #: 57-88-5
Physical Description: White Powder

Formula Weight: 386.67
Storage: -20°C

Test	Specification	Result
Identity Test A	Passes	Passes
Identity Test B	Passes	Passes
Solubility in Alcohol	Passes	Passes
Melting Point	147 - 150°C	147.7 - 149.2°C
Loss on Drying	<0.3%	0.0%
Optical rotation (c=2, dioxane)	-34° to -38°	-35.0°
Acidity	<0.3 ml	<0.1 ml
Residue on Ignition	<0.1%	<0.1%

Cholesterol (GC): 95.6% (Dry Basis)

Total Sterol (GC): 99.4% (Dry Basis)

Organic Impurities:

-Beta-Cholestanol: 0.3%

-Desmosterol: 2%

-Lathosterol: 1%

-24-Dehydrolathosterol: 0.1%

-4-Methylcholest-5-en-3Beta-ol: 0.2%

-Total Impurities including related sterols: 4%

At least 50 ppm d- α -Tocopherol is added as an antioxidant

Recommended Retest Date (MM/DD/YYYY): 03/21/2024



03/25/2021 - John Huang, PhD

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Quality Control Manager

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