



## CHOLESTEROL

Description	Cholesterol is an odorless white crystalline powder, resulting from the extraction and refining processes of woolgrease
CAS number	57-88-5
Molecular weight	(C <sub>27</sub> H <sub>46</sub> O) = 386.67

Identification A-B	Passed
Cholesterol (GC) (%)	95 min
Total sterol (GC) (%)	99 min
Melting range (°C)	147 – 150
Solubility in alcohol	No deposit – No turbidity
Specific rotation (degrees)	-34 / -38
Loss on drying (%)	0.30 max
Residue on ignition (%)	0.10 max
Acidity (%)	0.30 max
Organic volatile impurities	Complies with Method IV - 467

Cholesterol is widely used as an emulsifier agent in cosmetic & pharmaceutical preparations.

Cholesterol functions as an excellent moisturizer in skin conditioning cosmetics.

Cholesterol is also used as a basic material for the synthesis of D<sub>3</sub> vitamin and liquid crystals.

