

## SPECIFICATION

Cholesterol Standard  
for Biochemistry

REQUIREMENT	SPECIFICATION
Appearance	White, crystals ~ crystalline powder
Solubility in acetic acid	to pass test
Solubility in ethanol	to pass test
Solubility in 2-propanol	to pass test
Melting point	147~150°C
Specific rotation [ $\alpha$ ] <sub>D25</sub> (c=2, 1,4-dioxane)	-34.0~-39.5°
(after drying)	
Loss on drying at 105°C	max.0.2%
Residue after ignition (as sulfate)	max.0.05%
Acidity	to pass test
7-Ketocholesterol, 7-dihydrocholesterol and ergosterol	to pass test
Assay (capillary GC)	under investigation