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Product Specifications

Catalogue Number	07071
Product	2-Mercapto-L-histidine L-His(2-mercapto)-OH
CAS Number	2002-22-4
Molecular Formula	C ₆ H ₉ N ₃ O ₂ S
Molecular Weight	187.2

Appearance	Slightly yellow powder
Solubility	Clear, colorless solution (25 mg/5 mL in water)
Water Content (Karl Fisher)	≤ 1.0%
TLC System	n-Butanol/Acetic acid/Water (4:2:2) Methanol/Chloroform/Ammonia 17% (2:2:1) Chloroform/Methanol/Acetic Acid 32% (5:3:1) Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = -10 ± 2 ° (C=1 in 1M HCl)
Assay	≥ 97% (Nth 22.44% by elemental analysis)
Purity by TLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only