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Certificate of Analysis

| | |
|--------------------------|---|
| Catalogue Number | 07071 |
| Lot Number | 000127-1025544 |
| Product | 2-Mercapto-L-histidine |
| CAS Number | 2002-22-4 |
| Molecular Formula | C ₆ H ₉ N ₃ O ₂ S |
| Molecular Weight | 187.2 |

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|------------------------------------|--|
| Appearance | Slightly yellow powder |
| Solubility | Clear, colorless solution (25 mg/5 mL in Water) |
| Water Content (Karl Fisher) | 0.6 % |
| 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 = -10.9° (1% in 1M HCl) |
| Assay | 97.9 % (Elemental analysis Nfd 21.96%) |
| Purity by TLC | > 98% |
| Storage | Store at 0-8 °C |
| Remarks | See material safety data sheet for additional information For laboratory use only |

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager