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Certificate of Analysis

Catalogue Number 03849
Product *N*^α-Z-L-histidine methyl ester

Lot Number 000424-170413-12105
Z-L-His-OMe

CAS Number 15545-10-5
Molecular Formula C₁₅H₁₇N₃O₄

Molecular Weight 303.3

Appearance White powder
Solubility Clear solution (0.1 gram in 2 ml MeOH)
Melting Point 106.5 - 107.0 °C
Water Content (Karl Fisher) 0.207%
Optical Rotation [α]_D²⁰ = - 17.5 ° (C=1 in MeOH)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.30% (45 °C, 2h)
¹H NMR Conforms to structure
Purity by HPLC 99.89%
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