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Certificate of Analysis

Catalogue Number	05640
Product	<i>N</i>^α-Benzyl-L-histidine methyl ester dihydrochloride
Lot Number	000127-1043962 Bzl-L-His-OMe•2HCl
CAS Number	102029-99-2
Molecular Formula	C ₁₄ H ₁₇ N ₃ O ₂ •2HCl
Molecular Weight	332.3
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Appearance	White product
Solubility	Clear, colorless solution (50 mg/ml in Acetic Acid 80%)
Elemental Analysis (Theory)	C = 49.02%; H = 5.94%; N = 12.25%
Elemental Analysis (Found)	C = 48.78%; H = 6.19%; N = 12.15%; calc. as 2 HCl (20.7%) x 0.6 H ₂ O (3.2%)
Water Content (Karl Fisher)	3.0%
TLC System	Ethylacetate/Pyridine/Acetic acid/H ₂ O (60:20:6:11) Chloroform/Methanol/Acetic acid/H ₂ O (70:42:0.5:1.5) Plate: silicagel 60 F ₂₅₄ Detected by: UV, chlorine-tolidine, Pauly
Optical Rotation	[α] _D ²⁴ = +26.6° (C=1% in methanol)
Titration	Chloride Content: 20.7% (AgNO ₃)
Purity by TLC	> 98%
Storage	Store at 0-8 °C
Additional Information	FAB-MS: [M+H] ⁺ : m/z 260u

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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