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Certificate of Analysis

Catalogue Number	06346
Product	<i>N</i>^α-Methyl-L-histidine hydrochloride
Lot Number	000127-0567470
	N-Me-L-His-OH•HCl
CAS Number	17451-62-6
Molecular Formula	C ₇ H ₁₁ N ₃ O ₂ •HCl
Molecular Weight	205.6

Appearance	White powder
Solubility	Clear, colorless solution (50 mg/mL in water)
Elemental Analysis (Found)	C=40.5%, H=5.9%, N=20.0%
Anion	Chloride content by titration : 16.8% (AgNO ₃)
Water Content (Karl Fisher)	0.66%
TLC System	n-butanol / acetic acid / water , 4:2:2 Methanol / chloroform / ammonia 17%, 2:2:1 Isopropanol / ammonia conc., 1:1 Plate : Silicagel 60 F ₂₅₄ detected by : UV, ninhydrin, chlorine-tolidine, Pauly
Optical Rotation	[α] ²⁴ _D = 30.2 ° (C=1 in HCl 5N)
Residual Solvents	DMSO : 3.71%
Purity by TLC	> 99%
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