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Certificate of Analysis

Catalogue Number	05778
Product	DL-α-Methyltryptophan methyl ester hydrochloride
Lot Number	000127-1018827 DL- α -Methyltryptophan methyl ester hydrochloride
CAS Number	114524-80-0 (net)
Molecular Formula	C ₁₃ H ₁₆ N ₂ O ₂ •HCl
Molecular Weight	268.7
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Appearance	Off-white powder
Solubility	Clear, slightly yellowish solution (50mg/mL in Methanol)
Melting Point	142 °C
Elemental Analysis (Theory)	C = 67.22%; H = 6.94%; N = 12.06%
Elemental Analysis (Found)	C = 67.23%; H = 6.99%; N = 12.04%
Water Content (Karl Fisher)	0.4%
TLC System	Ethylacetate/Pyridine/Acetic acid/H ₂ O (60:20:6:11) Chloroform/Methanol/Acetic acid/H ₂ O (85:13:0.5:1.5) Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin
Residual Solvents	None detected (Organic solvents (GC))
Purity by HPLC	98.7% (TEAP)
Purity by TLC	> 99% (Complies with authentic material)
ESI-MS	m = 2322 u (average mass)
Storage	Store at 0-8°C

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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