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Certificate of Analysis

Catalogue Number	06608
Lot Number	000127-1076371
Product	L-Tryptophan <i>tert</i>-butyl ester hydrochloride L-Trp-OtBu•HCl
CAS Number	16874-09-2
Molecular Formula	C ₁₅ H ₂₀ N ₂ O ₂ •HCl
Molecular Weight	296.7

Appearance	White powder
Solubility	Clear, colorless solution (50 mg/ml in MeOH)
Elemental Analysis (Found)	C : 59.6%, H : 7.1%, N : 9.3% calc. as 1.045 HCl (12.3% Cl-) x 0.1% H ₂ O (0.6% H ₂ O)
Water Content (Karl Fisher)	0.3%
TLC System	Ethyl acetate/Pyridine/Acetic acid/Water 60/10/3/4 Chloroform/Methanol/Acetic acid/Water 45/13/1/2 Chloroform/Methanol/Acetic acid 77.5/15/7.5 Plate : Silicagel 60 F ₂₅₄ Detected by : Chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = 18.8 ° (C=1 in Methanol)
Titration	12.2% (AgNO ₃ , Chloride content)
D-Enantiomer	< 0.1% H-D-Trp-OtBu•HCl
Purity by TLC	> 99%
Chiral Purity	> 99.9% (ee)
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