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Certificate of Analysis

Catalogue Number	06248
Product	<i>N</i>ⁱⁿ-Boc-L-tryptophan <i>tert</i>-butyl ester
Lot Number	000127-1000000433
	L-Trp(Boc)-OtBu•HCl
CAS Number	218938-67-1
Molecular Formula	C ₂₀ H ₂₈ N ₂ O ₄ ·HCl
Molecular Weight	396.92

Appearance	White powder
Solubility	Clear, colorless solution (50mg/mL Methanol)
Melting Point	158 °C
Elemental Analysis (Found)	C = 60.2%; H = 7.5%; N = 6.9%
Water Content (Karl Fisher)	0.1%
TLC System	Chloroform/Methanol/Toluene/H ₂ O (8:8:8:1) Ethylacetate/Pyridine/Acetic acid/H ₂ O (60:10:3:4) Plate: Silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, Chlorine-Tolidine
Related Substances	H-Trp-OtBu (TLC) : < 0.2% H-Trp(Boc)-OH (TLC) : < 0.2%
Titration	Chloride Content : 9%
Assay	99.5% (Elemental analysis, Cfd : 60.21%)
Purity by TLC	> 99%
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