

SARTORT**HANGZHOU SARTORT BIOPHARMA CO., LTD****CERTIFICATE OF ANALYSIS**

Product Name: D-Tryptophan methyl ester hydrochloride		
Molecular Formula: C ₁₂ H ₁₅ CIN ₂ O ₂	CAS No.: 14907-27-8	
Quantity: 500kg	Batch No.: ST-2001012	
Manufacturing date: 2020.10.12	Exp.date: 2022.10.11	
Item	Specification	Results
Appearance	White to off-white powder	Conforms
Specific Rotation[α] _D ²⁰	-17° ~ -20° (C=5 in CH ₃ OH)	-18.6°
TLC analysis	≥99.0%	>99.0%
Residue on ignition	≤0.20%	0.15%
Loss on drying	≤0.50%	0.21%
Assay	≥99.0%	99.4%
Conclusion	Conforms to Standard.	

QC: *May Hu*QA: *Cathy Shen***Hangzhou Sartort Chemical Co., LTD**