



HANGZHOU DINGYAN CHEM CO.,LTD

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CERTIFICATE OF ANALYSIS

NO: **DYC191912191**

Product name	D-Tryptophan methyl ester hydrochloride
CAS Number	14907-27-8
Molecule Formula	C12H14N2O2.HCl
Batch number	20190114
Manuf. &Exp. Date	2019.01.14 ;2021.01.13
Testing date	2019.01.15

Items	Standard	Result
Appearance	A white to off-white powder	White powder
Specific Rotation	-13.00°~-19.00°	-17.33°
Loss on drying	≤1.00%	0.36%
Chlorid	Conforms	Conforms
Assay(HPLC)	99.00% ~ 101.00%	99.82%
Purity	≥98.00%	99.28%
Single impurity	≤1.00%	0.04%
Total impurity	≤2.00%	0.72%
D-Tryptophan	≤1.00%	0.58%
L-Tryptophan methyl ester hydrochloride	≤0.30%	0.29%
Conclusion	Qualified.	

QUALITY CONTROL:
Hangzhou Dingyan Chem Co., Ltd.
Quality Control Nicole
Signature(s)

CHECK: 姚仙娟

INSPECTOR: 刘清风

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