

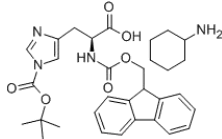


杭州泽尔瑞化学有限公司

HANGZHOU ZEERRUI CHEMICAL CO., LTD

Certificate of analysis

COA No:ZER12003191

<b>Product Name</b>	Fmoc-His(Boc)-OH-CHA
<b>CAS No</b>	210820-99-8
<b>Molecular Formula</b>	
<b>Molecular Weight</b>	576.69
<b>Batch no</b>	ZERFHBOC20180801
<b>Manufacturing date</b>	20180801

Index Name	Specification	Result
Appearance	White powder	Complies
Purity(HPLC)	≥98%	98.44%
Optical Purity	≤0.5% D-enantiomer	Not detectable
Melting Point	139-147°C	139.8-143.3°C
Specific Rotation[α] <sup>20</sup> D	-7° ±2° (C=2 in AcOH)°C	-5.1° (C=2 in AcOH)
Clarity of solution	0.3gram in 2ml DMF clear solution	Complies
Water Content (K.F.)	≤1.0%	0.57%
Loss on drying	≤1.0%(60oC,2h)	0.65%
Mass Spectrum	In accordance with the standard	Complies
IR Spectrum	In accordance with the standard	Complies
NMR Spectrum	In accordance with the standard	Complies
<b>Conclusion</b>	Conforms to the standard of enterprise	

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CHECK:

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INSPECTION:

