



Cathaya Fine Chemicals

Certificate of Analysis

Product Name: L-tert-Leucine	Lot No.: 20121025
Packing: 25kgs /fiber drum	Quantity:300kgs
Manufacture Date:2012/10	Expiry Date: 2014/09

Test Items	Specifications	Test Results
Appearance	White to pale white powder	Conforms
Loss on drying	≤0.5%	0.33%
Residue on ignition	≤0.5%	0.26%
Specific rotation	-8° ~ -11°	-9.5°
Assay(by HPLC)	98%~102%	99.20%
Chiral purity	≥99.5%	conforms
Single Impurity(HPLC)	≤0.5%	Conforms
Total impurity(HPLC)	≤1.0%	conforms
Heavy metal (pb)	≤10ppm	conforms
Conclusion	Conforms	

Analyst: Zheng Zhimin

Q. C. Chief: Shi Jun

Date: 20121025

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