



峨眉山市龙腾生物科技有限公司
Emeishan Longteng Biotechnology Co., Ltd.

地址：四川省峨眉山市九里镇农场村一组 88 号

Address: No. 88, Group 1, Nongchang Village, Jiuli Town, Emeishan City(614200), Sichuan Province, P.R.China

电话(Tel): +86 (28) 86659617 83321458

传真(Fax): +86 (28) 83383782

CERTIFICATE OF ANALYSIS

Product name			L-Leucine		
Batch no.			230901	Manufacture Date	2023/09/06
Test date			2023/09	Retest date	2025/09/05
Packaging Specifications			25kg/drum net		
Net Weight			1000kg		
Criteria of Inspection			USP43		
Test items			Standard		Test result
DEFINITION			Leucine contains NLT 98.5% and NMT 101.5% of L-leucine($C_6H_{13}NO_2$), calculated on the dried basis.		conforms
IDENTIFICATION			Infrared Spectroscopy		conforms
ASSAY			98.5%-101.5%		99.3%
IMPURITIES	RESIDUE ON IGNITION		NMT 0.4%		0.03%
	CHLORIDE		NMT 0.05%		<0.05%
	SULFATE		NMT 0.03%		<0.03%
	IRON		NMT 30ppm		<30ppm
	RELATED COMPOUNDS	Individual impurity	NMT 0.5%		<0.5%
		Total impurities	NMT 2.0%		<2.0%
SPECIFIC TESTS	OPTICAL ROTATION		+14.9° to +17.3°		+15.48°
	pH		5.5-7.0		6.2
	LOSS ON DRYING		NMT 0.2%		0.06%
Conclusion: complies with USP43					

Inspector: Shen Yun

Reviewer: Liang Xiaoqin

Quality Director: Peng Xiaoqin



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To Whom It May Concern:

Solvent Statement

Product Name: L-Leucine

We hereby verify that there is no organic solvent used in L-Leucine manufacturing process.

Emeishan Longteng Biotechnology Co., Ltd.

Quality Management Department

May 10, 2023

