

SHANGHAI WENTAI BIO TECHNOLOGY CO.,LTD

CERTIFICATION OF ANALYSIS

Product Name: L-valine

Manufacture Date: 2023.03.24

Batch No.: 20230324

Quantity: 600KGS

Report Date: 2023.03.24

Expiry Date: 2025.03.23



Item	Specification	Result
Appearance	White crystalline or crystalline powder	Conforms
Identification	Infrared Absorption	Conforms
Specific rotation [α]D20	+ 26.6 to + 28.8°	+ 27.6°
pH	5.5 to 7.0	5.8
Loss on drying	Not more than 0.30%	0.20%
Residue on ignition	Not more than 0.10%	0.06%
Chloride (Cl)	Not more than 0.05%	Conforms
Sulfate(SO4)	Not more than 0.03%	Conforms
Iron(Fe)	Not more than 30ppm	Conforms
Heavy metals	Not more than 15ppm	Conforms
Lead	Not more than 3ppm	Conforms
Arsenic(as As2O3)	Not more than 1ppm	Conforms
Mercury	Not more than 0.1ppm	Conforms
Cadmium	Not more than 1ppm	Conforms
Assay	98.5% to 101.5%	99.8%
Total Plate count	≤ 5000 cfu/g	< 1000 cfu/g
Yeast and Mold	≤ 100 cfu/g	< 100 cfu/g
E.coli	≤ 30 MPN/g	Conforms
Salmonella	Negative	Conforms
Conclusion :	The products Conforms to usp24	

Analysis: chenhong

Verification: zhaoyan



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Residual Solvent Statement

To whom it may concern

We hereby declare that our product

L-Valine

We didn't use any solvent or any related materials during the whole procedure, only purified water is used during crystallization process.

Shanghai Wentai Bio Technology Co.,Ltd.

Shanghai,China,Jan.14th,2023

Signature Chenhong

Q.C Manager Zhaoyan

上海稳泰生物技术有限公司
SHANGHAI WENTAI BIO TECHNOLOGY CO., LTD

范丙华