



SAM Nutrition
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Certificate of Analysis

Product Name: **L-Valine, Feed Grade 98%**
Country of Origin: China
Molecular Weight: 117.15 g/mol
Chemical Formula: $C_5H_{11}NO_2$
CAS Number: 72-18-4
Status: Approved

Batch number: N42103241D8
Manufacture date: March 24, 2021
Expiry date: March 23, 2023

Typical Analysis	Specification	Results of Analysis, Batch Value N42103241D8
Appearance	Crystals or Crystalline powder	Conforms
Assay (dry content)	98.0~101.50%	98.40%
Loss on Drying	≤ 1.0%	0.39%
pH	4.0~7.0	6.16
Residue on Ignition	≤ 0.50%	< 0.50%
Specific Rotation	+26.0~+29.0°	+27.15°
Heavy Metals (as Pb)	≤ 10 ppm	< 10 ppm
Arsenic (As)	≤ 1 ppm	< 1 ppm
Mercury (Hg)	≤ 0.10 ppm	< 0.10 ppm
Cadmium (Cd)	≤ 2 ppm	< 2 ppm
Salmonella	Negative	Negative

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SAM Nutrition QA Department