

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	00317
Product	L-Valine
Lot Number	001192-200317
	L-Valine
CAS Number	72-18-4
Molecular Formula	C ₅ H ₁₁ NO ₂
Molecular Weight	117.1

Appearance	White crystals or crystalline powder
Heavy Metals	< 15 ppm
Anion	Sulfate (SO ₄ ²⁻) : < 0.03% Chloride (Cl ⁻) : < 0.05%
Cation	Iron (Fe) : < 30 ppm
pH	5.73
Optical Rotation	[α] _D ²⁰ = 27.5 °
Infrared Spectrum	Conforms to structure
Loss on Drying	0.10%
Organic Volatile Impurities	Meet requirements
Residue On Ignition	0.07%
Assay by titration	99.4% (anhydrous basis)
Grade	USP
Storage	Store at RT

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager