

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

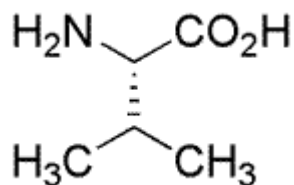
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	00317
Product	L-Valine L-Valine (S)-2-Amino-3-methylbutyric acid
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	5.5 - 7.0
Optical Rotation	[α] _D ²⁰ = 26.6 - 28.8 °
Infrared Spectrum	Conforms to structure
Loss on Drying	≤ 0.3% (105 °C, 3h)
Related Substances	Individual impurities : ≤ 0.5% Total impurities : ≤ 2%
Residue On Ignition	≤ 0.1%
Assay	98.5 - 101.5%
Grade	USP
Storage	Store at RT

For Laboratory Use Only