

Raw Material Specification	
Product name:	L-Valine
Article No.:	RA00033K
CAS no.:	72-18-4
Shelf Life:	2 years
Country of Origin:	China
Items	Limits
Description	White crystals or crystalline powder
Assay	98.5 % ~ 101.5
Identification (Infrared Absorption)	Consistent with standard atlas
Mesh Size	(≥ 80 %) 80 Mesh
PH	5.5 ~ 7.0
Specific rotation	+26.6° ~ +28.8°
Residue on Ignition	≤ 0.1 %
Loss on Drying	≤ 0.3 %
Bulk Density	≥ 0.4 g/ml
Chloride (Cl)	≤ 500 ppm
Iron (Fe)	≤ 30 ppm
Sulfate (SO ₄)	≤ 300 ppm
Heavy Metals	≤ 15 ppm
Lead (Pb)	≤ 3 ppm
Arsenic (As)	≤ 1 ppm
Cadmium (Cd)	≤ 1.5 ppm
Mercury (Hg)	≤ 0.1 ppm
Total Plate Count	≤ 1000 cfu/g
Yeast and Molds	≤ 100 cfu/g
Coliforms	≤ 3 cfu/g
Salmonella	Negative in 25 g
Organic volatile impurities	meets the requirement per USP
Comply with the standard of USP	
Storage:	Keep away from fire store in dry place, room temperature