

Product Name	L-Valine	Batch Number	17030201
Reference standard	AJI97	Manufacture Date	Mar 02, 2017
Packing	25kg/drum	Retest Date	Mar 01, 2019

Items	Standards	Results
Appearance	White crystalline powder	Conforms
Assay	98.5~101.0%	99.0%
State of solution	Not less than 98.0%	98.2%
Specific Rotation	+27.6 to +28.7 Degree	+28.0 Degree
Chloride (Cl)	Not more than 0.02%	Conforms
Sulfate (SO ₄)	Not more than 0.02%	Conforms
Ammonium (NH ₄)	Not more than 0.02%	Conforms
Heavy metals (Pb)	Not more than 10ppm	Conforms
Iron	Not more than 10ppm	Conforms
Arsenic (As ₂ O ₃)	Not more than 1ppm	Conforms
Other amino acids	Conforms	Conforms
PH	5.5 to 6.5	5.9
Loss on drying	Not more than 0.20%	0.10%
Residue on ignition	Not more than 0.10%	0.08%
Packing and Storage	Pack in paper-drums and two plastic-bags inside Net Weight: 25kgs/drums.	

Conclusion: The Product Conforms to AJI97