

Specification Sheet

Product Name	L-Alanine		
Packing	25Kg/Drum	Shelf Life:	24Months

Analysis	Specification
Appearance	White crystal or crystalline powder
Identification	Via IR absorption
Assay	98.5%~101.5%
Loss on Drying	≤0.2%
Residue on Ignition	≤0.15%
Transmittance	≥98%
Specific Rotation[α] _{D20}	+13.7°~+15.1°
Chloride	≤0.05%
Iron	≤0.003%
Sulfate	≤0.03%
Heavy Metals [Pb]	≤0.0015%
Arsenic [As ₂ O ₃]	≤0.0005%
Lead	≤5 ppm
Cadmium	≤1 ppm
Mercury	≤1 ppm
Chromium VI	≤3 ppm
PH Value	5.5~7.0
Total plate count	≤1000cfu/g
Yeast and Mold	≤100cfu/g
E.Coli	Negative
Coliforms	Negative
Salmonella	Negative
Staphylococcus Aureus	Negative
Chromatographic purity	Any individual impurity ≤0.5%
	Total impurities ≤2%
Residual solvents	Meet the requirement
Other amino acid	Meet the requirement
Organic volatile impurities	Meet the requirement
Amonium	≤0.02
Conclusion:	Conforms to USP30/AJI97 standard