

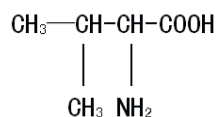


金海生

WUXI JIN-HIGHER BIOTECH CO.,LTD.

L-Valine

L-2-Amino-3-methylbutyric acid

Formula C₅H₁₁NO₂

Molecular Weight 117.15

Nitrogen 11.96%

CAS No. 72-18-4

【Description】

White crystals or crystalline powder, taste at first slightly sweet and then bitter.

【Quality Standard】

Specification Standard Item	AJI97	USP24	FCC6
	Assay	99.0~100.5%	98.5~101.5%
pH	5.5~6.5	5.5~7.0	5.5~7.0
Specific rotation [α] _D ²⁰ [α] _D ²⁵	+27.6~+29.0°	+26.6~+28.4°	+26.5~+29.0°
Transmittance (T ₄₃₀)	≥98.0%	/	/
Chloride (Cl)	≤0.02%	≤0.05%	/
Ammonium (NH ₄)	≤0.02%	/	/
Sulfate (SO ₄)	≤0.02%	≤0.03%	/
Iron (Fe)	≤10ppm	≤30ppm	/
Heavy metals (Pb)	≤10ppm	≤15ppm	≤20ppm
Arsenic	≤1ppm (As ₂ O ₃)	≤1.5ppm (As)	≤3ppm (As)
Lead (Pb)	/	/	≤10ppm
Other amino acids	Conforms	/	/
Loss on drying	≤0.20%	≤0.3%	≤0.3%
Residue on ignition	≤0.10%	≤0.1%	≤0.1%
Organic volatile impurities	/	Conforms	/
Pyrogen (for injection)	Nonpyrogenic	/	/

【Package】

Carton, double polyethylene bags inside (25kgs).

【Storage】

Cool, dry, dark in closed containers; recommended shelf life: 2 years.

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