



L-Valine

CAS No: 72-18-4

Chemical Name	L-2-Amino-3-methylbutyric Acid
FORMULA	C ₅ H ₁₁ NO ₂
DESCRIPTION	White crystal or crystalline powder
ODOR	Odorless
GRADE	Food grade
CATEGORY	Raw material

SPECIFICATION

ITEMS	STANDARD
Specific rotation [α] _{D20} ^o	+26.6° - -28.8°
State of solution (Transmittance)	≥ 98.0%
Chloride(CL)	≤ 0.05%
Ammonium(NH ₄)	≤ 0.02%
Sulfate(SO ₄)	≤ 0.03%
Iron(Fe)	≤ 10PPm
Lead (Pb)	≤ 10PPm
Arsenic(As ₂ O ₃)	≤ 1PPm
Other amino acids	Not detected
Loss on drying	≤ 0.20%
Residue on ignition (Sulfated)	≤ 0.10%
Assay	98.5-101.5 %
PH	5.5-7.0

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