

CERTIFICATE OF ANALYSIS

PRODUCT NAME: L-Valine,99%

ITEM NUMBER: V103487
BRAND: Aladdin
CAS NUMBER: 72-18-4,7004-03-7
MDL NUMBER: MFCD00064220
FORMULA: C₅H₁₁NO₂
MOLECULAR WEIGHT: 117.15

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	white powder		
Carbon by Elemental Analysis	50.2 %	51.7 %	51.7 %
Infrared spectrum	Conforms to Structure		
Nitrogen by Elemental Analysis	11.3 %	12.5 %	12.5 %
Purity(HPLC)	99 %	100 %	100 %
solubility in water	Colorless ,Clear ,50 mg/mL in H ₂ O		
Specific rotation [α] ₂₀ /D(C=8, HCl(1+1))	++27 °	+28.5 °	++28.5 °