

CERTIFICATE OF ANALYSIS

PRODUCT NAME: D-Valine,98%

ITEM NUMBER: V101067
BRAND: Aladdin
CAS NUMBER: 640-68-6
MDL NUMBER: MFCD00064219
FORMULA: C₅H₁₁NO₂
MOLECULAR WEIGHT: 117.15

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	White Crystals and/or Chunks or Flakes		
Carbon	50.2 %	52.3 %	52.3 %
Infrared spectrometry	Conforms to Structure		
Nitrogen	11.7 %	12.2 %	12.2 %
Purity(HPLC)	98 %	100 %	100 %
solubility in water	clear to slightly hazy(50mg/ml)		
Specific rotation [α] ₂₀ /D(C=8, 6mol/L HCl)	--26 °	-29 °	--29 °