

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: D-Valinol,98%

ITEM NUMBER: V118431  
BRAND: Aladdin  
CAS NUMBER: 4276-09-9  
MDL NUMBER: MFCD00064297  
FORMULA: C<sub>5</sub>H<sub>13</sub>NO  
MOLECULAR WEIGHT: 103.16

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	white to yellow solid,colorless to yellow liquid		
Infrared spectrum	Conforms to Structure		
Melting point	32 ° C	36 ° C	36 ° C
Purity(GC)	98 %	100 %	100 %
Specific rotation(C=10, EtOH)	--16 °	-19 °	--19 °