

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: N-Acetyl-L-leucine,99%

ITEM NUMBER: A101039  
BRAND: Aladdin  
CAS NUMBER: 1188-21-2  
MDL NUMBER: MFCD00065131  
FORMULA: C<sub>8</sub>H<sub>15</sub>NO<sub>3</sub>  
MOLECULAR WEIGHT: 173.21

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	White Crystals, Powder or Crystalline Solid		
Infrared spectrum	Conforms to Structure		
Melting point	179 ° C	186 ° C	186 ° C
Purity (HPLC)	98 %	100 %	100 %
Purity(neutralization titration)	98.5 %	101.5 %	101.5 %
Solubility in Ethanol	Clear Colorless,c = 5%		
Specific rotation [α] <sub>20</sub> /D(C=2,Ethanol)	--20 °	-26 °	--26 °