

CERTIFICATE OF ANALYSIS

PRODUCT NAME: N-Acetyl-D-tryptophan,98%

ITEM NUMBER: A117007
BRAND: Aladdin
CAS NUMBER: 2280-01-5
MDL NUMBER: MFCD00065021
FORMULA: C₁₃H₁₄N₂O₃
MOLECULAR WEIGHT: 246.26

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	White to Off-White Powder		
Carbon(C)	62.1 %	64.7 %	64.7 %
Infrared spectrometry	Conforms to Structure		
nitrogen	10.9 %	11.9 %	11.9 %
Purity(HPLC)	98 %	100 %	100 %
Purity(neutralization titration)	97.5 %	102.5 %	102.5 %
solubility in 1N ammonium hydroxide	clear colorless to light yellow solution,50mg/ml		
Specific rotation [α] ₂₀ /D(C=2.5, methanol)	-24.2 °	-25.9 °	-25.9 °