

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Vanillin, reagent grade, 99%

ITEM NUMBER: V100115  
BRAND: Aladdin  
CAS NUMBER: 121-33-5  
MDL NUMBER: MFCD00006942  
FORMULA: C<sub>8</sub>H<sub>8</sub>O<sub>3</sub>  
MOLECULAR WEIGHT: 152.15

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	White to Light Yellow Powder or Crystals		
Carbon by Elemental Analysis	62.2 %	64.1 %	64.1 %
Extinction Coefficient(245 - 251 nm)			>=8000
Extinction Coefficient(344 - 350 nm, C = 0.005 g/l; 0.01 N Na)			>=24000
Infrared spectrum	Conforms to Structure		
Melting point	80.5 ° C	83.5 ° C	83.5 ° C
Purity(GC)	99 %	100 %	100 %
Purity(neutralization titration)	98.5 %	101.5 %	101.5 %
Solubility in Ethanol	Clear, Colorless to Very Faint Yellow, 50 mg/ml (5%)		