

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-21 14:36:45  
 Date of Next Testing: 2024-12-10 14:36:45  
 Product Name: **Vanillin**  
 CAS Number: 121-33-5  
 Specifications & Purity: reagent grade,99%  
 Lot #: L2216795  
 SKU #: **V100115**  
**Analysis: 140852**  
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	62.2-64.1 (%)	63.46 %
Purity(Neutralization titration)	98.5-101.5 (%)	99.99 %
Extinction Coefficient(245 - 251 nm)	≥8000	8287.32
Extinction Coefficient(344 - 350 nm,C = 0.005 g/l; 0.01 N Na)	≥24000	25189.28
Melting point	80.5-83.5 (°C)	82.86000 °C
Purity(GC)	99-100 (%)	99.09 %
Appearance (V100115)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
Solubility in EtOH , Clear,Colorless to Very Faint Yellow,50 mg/ml (5%)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager