

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-25 09:18:59  
Date of Next Testing: 2025-05-14 09:18:59  
Product Name: **Vanillin**  
CAS Number: 121-33-5  
Specifications & Purity: reagent grade,99%  
Lot #: E2317688  
SKU #: **V100115**  
Version: **1**  
Analysis #: **213768**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	80.5-83.5 (°C)	83.25000 °C
Extinction Coefficient(344 - 350 nm,C = 0.005 g/l; 0.01 N Na	≥24000	41191.15
Carbon by Elemental Analysis	62.2-64.1 (%)	63.00 %
Purity(Neutralization titration)	98.5-101.5 (%)	100.82 %
Extinction Coefficient(245 - 251 nm)	≥8000	14495.75
Purity(GC)	99-100 (%)	99.64 %
Appearance (V100115)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Clear,Colorless to Very Faint Yellow,50 mg/ml (5%)	pass	Pass



John Su  
QA & QC Manager