

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-11 10:25:32  
 Date of Next Testing: 2025-04-30 10:25:32  
 Product Name: **Vanillin**  
 CAS Number: 121-33-5  
 Specifications & Purity: Analytical Reagent,99%  
 Lot #: D2328056  
 SKU #: **V100115**  
**Analysis:** **083210**  
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Neutralization titration)	98.5-101.5 (%)	99.15 %
Purity(GC)	99-100 (%)	99.58 %
Extinction Coefficient(344 - 350 nm,C = 0.005 g/l; 0.01 N Na	≥24000	26421.43
Extinction Coefficient(245 - 251 nm)	≥8000	9333.82
Melting point	80.5-83.5 (°C)	83.32000 °C
Carbon by Elemental Analysis	62.2-64.1 (%)	64.03 %
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