

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-30 15:19:30
 Date of Next Testing: 2027-12-20 15:19:30
 Product Name: **Vanillin**
 CAS Number: 121-33-5
 Specifications & Purity: AR, ≥99%
 Lot #: L2525585
 SKU #: **V100115**
 Version: **1**
 Analysis #: **626313**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	62.2-64.1 (%)	63.23400 %
Purity(Neutralization titration)	98.5-101.5 (%)	99.58000 %
Purity(GC)	99-100 (%)	99.32100 %
Extinction Coefficient(245 - 251 nm, C = 0.005 g/l; 0.01 N NaOH(pH 12.3))	≥8000	10620.66667
Extinction Coefficient(344 - 350 nm, C = 0.005 g/l; 0.01 N NaOH (pH 12.3))	≥24000	30459.83333
Melting point	80.5-83.5 (°C)	82.59000 °C
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