

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-25 14:44:15

Date of Next Testing: 2027-03-15 14:44:15

Product Name: **Vanillin**

CAS Number: 121-33-5

Specifications & Purity: AR, ≥99%

Lot #: C2519648

SKU #: **V100115**

Version: **1**

Analysis #: **482356**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Melting point	80.5-83.5 (°C)	83.19000 °C
Carbon by Elemental Analysis	62.2-64.1 (%)	63.01200 %
Purity(Neutralization titration)	98.5-101.5 (%)	98.50000 %
Extinction Coefficient(245 - 251 nm, C = 0.005 g/l; 0.01 N NaOH(pH 12.3))	≥8000	9781.07143
Extinction Coefficient(344 - 350 nm, C = 0.005 g/l; 0.01 N NaOH (pH 12.3))	≥24000	27604.35714
Purity(GC)	99-100 (%)	99.34500 %
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