

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-02-27 17:02:46

Date of Next Testing: 2027-02-17 17:02:46

Product Name: **Vanillin**

CAS Number: 121-33-5

Specifications & Purity: AR, ≥99%

Lot #: E2317889

SKU #: **V100115**

Version: **1**

Analysis #: **471116**

Storage Temperature: Room temperature, Argon charged

| Parameter                                                                  | Limit Values                             | Result                                   |
|----------------------------------------------------------------------------|------------------------------------------|------------------------------------------|
| Carbon by Elemental Analysis                                               | 62.2-64.1 (%)                            | 62.20000 %                               |
| Purity(Neutralization titration)                                           | 98.5-101.5 (%)                           | 98.50000 %                               |
| Purity(GC)                                                                 | 99-100 (%)                               | 99.39900 %                               |
| Extinction Coefficient(245 - 251 nm, C = 0.005 g/l; 0.01 N NaOH(pH 12.3))  | ≥8000                                    | 8000.00000                               |
| Extinction Coefficient(344 - 350 nm, C = 0.005 g/l; 0.01 N NaOH (pH 12.3)) | ≥24000                                   | 24000.00000                              |
| Melting point                                                              | 80.5-83.5 (°C)                           | 83.41000 °C                              |
| 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