

## Certificate of Analysis

Date of Testing: 2024-03-21 14:15:45  
Date of Next Testing: 2026-03-11 14:15:45  
Product Name: **Vanillin**  
CAS Number: 121-33-5  
Specifications & Purity: reagent grade,99%  
Lot #: F2204717  
SKU #: **V100115**  
**Analysis:** **334454**  
Storage Temperature: Argon charged

| Parameter   | Limit Values                             | Result                                   |
|---|--|--|
| Melting point   | 80.5-83.5 (°C)                           | 83.00000 °C                              |
| Extinction Coefficient(344 - 350 nm,C = 0.005 g/l; 0.01 N Na            | ≥24000                                   | 26421.34                                 |
| Carbon by Elemental Analysis  | 62.2-64.1 (%)                            | 64.00 %                                  |
| Purity(Neutralization titration)  | 98.5-101.5 (%)                           | 99.10 %                                  |
| Extinction Coefficient(245 - 251 nm)                                    | ≥8000                                    | 9333.00                                  |
| Purity(GC)  | 99-100 (%)                               | 99.50 %                                  |
| 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                                     |



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