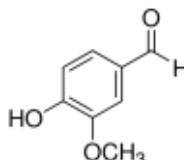


## Certificate of Analysis

Product Name:

Vanillin - ReagentPlus® , 99%

Product Number: V1104  
Batch Number: BCCH4747  
Brand: SIAL  
CAS Number: 121-33-5  
Formula: C<sub>8</sub>H<sub>8</sub>O<sub>3</sub>  
Formula Weight: 152,15 g/mol  
Quality Release Date: 30 MAR 2022



Test	Specification	Result
Appearance (Color)	White to Faint Yellow	Faint Yellow
Appearance (Form)	Powder or Crystals	Crystals
Purity (GC)	≥ 98.5 %	99.9 %
Solubility (Color)	Colorless to Very Faint Yellow	Colorless
Solubility (Turbidity)	Clear	Clear
C= 50mg/ml(5%); Ethanol		
Carbon Content	62.2 - 64.1 %	63.1 %
Infrared Spectrum	Conforms to Structure	Conforms
Wavelength (1)(UV)	344.0 - 350.0 nm	346.9 nm
Molar Absorbancy Index (1)(UV)	≥ 24000	27077
Wavelength (2)(UV)	245.0 - 251.0 nm	248.2 nm
Molar Absorbancy Index (2)(UV)	≥ 8000	8559
Solvent	Conforms	Conforms
(UV) C= 0.005g/l; 0.01n NaOH (ph 12.3)		

Dr.Reinhold Schwenninger  
Quality Assurance  
Buchs,Switzerland CH

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

