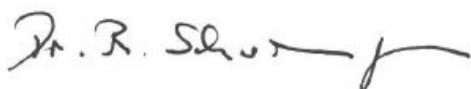


Certificate of Analysis

Product Name: Vanillin
ReagentPlus, 99 %
Product Number: V1104
Batch Number: BCCC5233
Brand: Sigma-Aldrich
CAS Number: 121-33-5
Formula: 4-(HO)C₆H₃-3-(OCH₃)CHO
Formula Weight: 152.15
Quality Release Date: 13 JAN 2020

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	WHITE TO FAINT YELLOW	OFF WHITE
APPEARANCE (FORM)	POWDER OR CRYSTALS	POWDER
PURITY (GC AREA %)	≥ 98.5 %	100.0 %
SOLUBILITY (COLOR)	COLORLESS TO VERY FAINT YELLOW	COLORLESS
SOLUBILITY (TURBIDITY)	CLEAR	CLEAR
SOLUBILITY (METHOD)	C=50MG/ML(5%); ETHANOL	C=50MG/ML(5%); ETHANOL
CARBON CONTENT	62.2 - 64.1 %	63.3 %
INFRARED SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS
WAVELENGTH (1) (UV)	344.0 - 350.0 NM	347.7 NM
MOLAR ABSORBANCY INDEX (1)	≥ 24000	25846.4
WAVELENGTH (2) (UV)	245.0 - 251.0 NM	248.2 NM
MOLAR ABSORBANCY INDEX (2)	≥ 8000	8883.3
SOLVENT (UV)	C=0.005G/L; 0.01N NAOH (PH 12.3)	C=0.005G/L; 0.01N NAOH (PH 12.3)



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland

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. 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.