

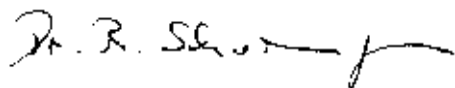
Certificate of Analysis

Product Name:

Methyl Blue - for microscopy (Bot., Hist.), indicator (pH 9.4-14.0)

Product Number: 95290
Batch Number: BCCK8203
Brand: SIAL
CAS Number: 28983-56-4
Formula: C₃₇H₂₇N₃Na₂O₉S₃
Formula Weight: 799,8 g/mol
Quality Release Date: 06 SEP 2023

Test	Specification	Result
Appearance (Color)	Purple to Very Dark Purple	Very Dark Purple
Appearance (Form)	Powder or Crystals	Powder
Thin Layer Chromatography	Corresponds to Standard	Corresponds
Solubility (Color)	Blue to Very Dark Blue	Very Dark Blue
0.01 g in 10 ml Water		
pH		9.4
(pH-Transition) 9.4 Blue		
pH		11.0
(pH-Transition) 11.0 Violet		
pH		14.0
(pH-Transition) 14.0 Pink		
Wavelength (1)(UV)	595.0 - 605.0 nm	601.6 nm
Extinction (1)(UV)	≥ 400	610
(1% / 1cm)		
Wavelength	310.0 - 320.0 nm	315.3 nm
(2) (UV)		
Extinction Coefficient	≥ 200	287
(2) (UV) (1% / 1cm)		
Solvent	Conforms	Conforms
(UV) HCl 0.005 M		



Dr. Reinhold Schwenninger
Quality Assurance

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.



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