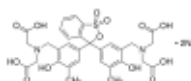


Certificate of Analysis

Product Name:

Xylenol Orange disodium salt - for spectrophotometric determination of metal ions

Product Number: 52097
Batch Number: BCCJ6794
Brand: SIAL
Formula: C₃₁H₃₀N₂Na₂O₁₃S
Formula Weight: 716,62 g/mol
Quality Release Date: 30 NOV 2022



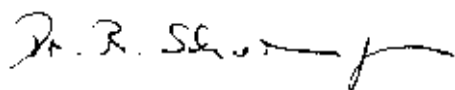
Test	Specification	Result
Appearance (Color)	Orange to Very Dark Orange and Red to Very Dark Red and Dark Red-Orange and Very Dark Red-Brown	Very Dark Orange
Appearance (Form)	Powder or Crystals	Powder
Solubility (Color)	Orange to Very Dark Orange	Very Dark Orange
0.01 g in 10 ml Methanol, Hot		
pH		5.4
(pH-Transition) 5.4 Yellow		
pH		7.4
(pH-Transition) 7.4 Violet		
Carbon Content		47.30 %
51.96 % (Theory)		
Hydrogen Content		4.79 %
4.22 % (Theory)		
Nitrogen Content		3.53 %
3.91 % (Theory)		
Infrared Spectrum	Conforms to Structure	Conforms
Wavelength (1)(UV)	575 - 585 nm	583 nm
Extinction (1)(UV)	≥ 350	741
(1%/1cm)		
Solvent	0.1N NaOH	0.1N NaOH
(UV)		
Application Test	Corresponds to Requirements	Corresponds
Suitable as Metal Indicator		

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.



Certificate of Analysis

Product Number: 52097
Batch Number: BCCJ6794

A handwritten signature in black ink, appearing to read "Dr. R. Schwenninger", is positioned above the printed name.

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. 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.

