

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

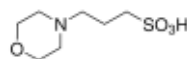
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
MOPS - BioXtra, ≥99.5% (titration)

Product Number: M5162
CAS Number: 1132-61-2
MDL: MFCD00006183
Formula: C7H15NO4S
Formula Weight: 209.26 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
1 M, H ₂ O	
Loss on Drying	≤ 1 %
110 deg C	
Residue on ignition (Ash)	≤ 0.1 %
SO ₄ , 900 deg C	
Insoluble Matter	Pass
Passes filter test	
Sulfate	≤ 0.005 %
Chloride (Cl)	≤ 0.05 %
Aluminum (AL)	≤ 0.0005 %
Lead (Pb)	≤ 0.0005 %
Bismuth (Bi)	≤ 0.0005 %
Iron (Fe)	≤ 0.0005 %
Lithium	≤ 0.0005 %
Molybdenum (Mo)	≤ 0.0005 %
Nickel	≤ 0.0005 %
Calcium (Ca)	≤ 0.001 %
Magnesium (Mg)	≤ 0.0005 %
Chromium (Cr)	≤ 0.0005 %

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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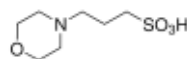
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TEST	Specification
Manganese (Mn)	≤ 0.0005 %
Potassium (K)	≤ 0.005 %
Barium	≤ 0.0005 %
Zinc (Zn)	≤ 0.0005 %
Cadmium (Cd)	≤ 0.0005 %
Cobalt (Co)	≤ 0.0005 %
Copper (Cu)	≤ 0.0005 %
Strontium (Sr)	≤ 0.0005 %
Sodium (Na)	≤ 0.005 %
A260 UV Absorption 1 M in H2O	≤ 0.020
A280 UV Absorption 1 M in H2O	≤ 0.015
pH 1 M in H2O	2.5 - 4.0
Titration with NaOH (dry basis)	≥ 99.5 %
Infrared spectrum	Conforms to Structure
Recommended Retest Period 2 years	-----

Specification: PRD.3.ZQ5.10000009229

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