

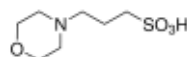
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Product Specification

Product Name:
MOPS - BioPerformance Certified, cell culture tested, ≥99.5% (titration)

Product Number: **M3183**
CAS Number: 1132-61-2
MDL: MFCD00006183
Formula: C₇H₁₅NO₄S
Formula Weight: 209.26 g/mol



TEST	Specification
ICP-MS (Total: Ag, As, Bi, Cd, Cu, Hg, Mo, Pb, Sb, Sn)	≤ 5 ppm
Appearance (Color)	White
Appearance (Form)	Crystalline Powder
Solubility (Color)	Colorless
Solubility (Turbidity) 25 g plus 50 mL, H ₂ O	Clear
Water (by Karl Fischer)	≤ 0.1 %
UV Absorbance 290nm 33% W/W	≤ 0.05
¹ H NMR Spectrum	Conforms to Structure
Titration with NaOH Anhydrous	≥ 99.5 %
Iron (Fe)	< = 5 ppm
DNAse, Exonuclease Detection	None Detected
NICKase, Endonuclease Detection	None Detected
RNAse Detection	None Detected
Protease Detection	None Detected
Endotoxin Level	≤ 0.1 EU/mg
Total Aerobic Microbial Count	< 100 CFU/g
Cell Culture Test	Pass
Recommended Retest Period 2 years	-----

Specification: PRD.4.ZQ5.10000011789

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.