

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.com

Email USA: techserv@sial.com

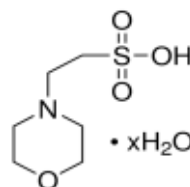
Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
MES hydrate - BioPerformance Certified, suitable for cell culture, ≥99.5%

Product Number: **M2933**
CAS Number: 1266615-59-1

Formula: C₆H₁₃NO₄S · xH₂O
Formula Weight: 195.24 g/mol



TEST	Specification
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
Plant Cell Culture Test	Pass
Appearance (Color)	White
Appearance (Form)	Crystalline Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
at 20 g plus 80 ml of H ₂ O	
Water (by Karl Fischer)	≤ 9 %
A ₂₉₀ UV absorbance	≤ 0.05
20% W/W	
ICP-MS	≤ 5 ppm
(Total: Ag, As, Bi, Cd, Cu, Hg, Mo, Pb, Sb, Sn)	
Infrared spectrum	Conforms to Structure
Titration with NaOH	≥ 99.5 %
Anhydrous	
Recommended Retest Period	-----
5 years	

Specification: PRD.4.ZQ5.10000006978

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.