

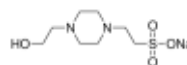
3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:
HEPES sodium salt - BioXtra, ≥99.0% (titration)

Product Number: **H8651**
 CAS Number: 75277-39-3
 MDL: MFCD00036463
 Formula: C₈H₁₇N₂NaO₄S
 Formula Weight: 260.29 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
1 M in water	
Water (by Karl Fischer)	≤ 3.0 %
Infrared spectrum	Conforms to Structure
pH	10.0 - 12.0
1 M in water	
Insoluble matter	≤ 0.1 %
Chloride	Pass
< or = 0.05%	
Sulfate	Pass
< or = 0.05%	
Aluminum (AL)	≤ 0.0005 %
Phosphorus (P)	≤ 0.005 %
Lead (Pb)	≤ 0.001 %
Iron (Fe)	≤ 0.0005 %
Copper (Cu)	≤ 0.0005 %
Zinc (Zn)	≤ 0.0005 %
Calcium (Ca)	≤ 0.0005 %
Magnesium (Mg)	≤ 0.0005 %
Potassium (K)	≤ 0.005 %
Ammonia (NH ₄)	≤ 0.05 %

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.

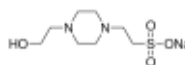
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TEST	Specification
A260 UV Absorption 1 M in water	≤ 0.2
A280 UV Absorption 1 M in water	≤ 0.2
Titration with H ₂ SO ₄ (anhydrous)	≥ 99.0 %
Recommended Retest Period 2 years	-----

Specification: PRD.1.ZQ5.10000016512

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