

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

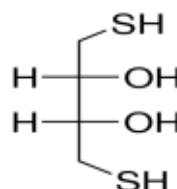
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
1,4-Dithioerythritol - BioXtra, ≥99.0%

Product Number: D9680
CAS Number: 6892-68-8
MDL: MFCD00063750
Formula: C₄H₁₀O₂S₂
Formula Weight: 154.25 g/mol
Storage Temperature: 2 - 8 °C



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Titration with Iodine	≥ 99.0 %
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
0.1 M H ₂ O	
pH	4.5 - 6.5
0.1M, H ₂ O	
Insoluble Matter	Pass
passes filter test	
Sulfate (SO ₄)	≤ 0.005 %
Aluminum (Al)	≤ 0.0005 %
Phosphorus (P)	≤ 0.0005 %
Lead (Pb)	≤ 0.001 %
Iron (Fe)	≤ 0.0005 %
Copper (Cu)	≤ 0.0005 %
Zinc (Zn)	≤ 0.001 %
Calcium (Ca)	≤ 0.001 %
Magnesium (Mg)	≤ 0.0005 %
Sodium (Na)	≤ 0.005 %
Potassium (K)	≤ 0.05 %
A260 UV Absorption	≤ 0.6
(0.1 M, H ₂ O)	

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.

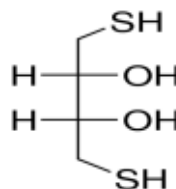
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TEST	Specification
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A280 UV Absorption
(0.1 M, H₂O)

≤ 0.4

Recommended Retest Period
2 years

Specification: PRD.6.ZQ5.10000007450

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