

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:
Barium chloride dihydrate - ACS reagent, ≥99%

Product Number:	217565	BaCl₂ · 2H₂O
CAS Number:	10326-27-9	
MDL:	MFCD00149154	
Formula:	BaCl ₂ · 2H ₂ O	
Formula Weight:	244.26 g/mol	

TEST	Specification
Appearance (Color)	White to Off-White
Appearance (Form)	Conforms to Requirements
Crystals, Powder or Chunks	
Complexiometric EDTA	≥ 99.0 %
X-Ray Diffraction	Conforms to Structure
pH	5.2 - 8.2
@ 25 Deg C (5%, Solution)	
Insoluble matter	≤ 0.005 %
Assay	≤ 0.005 %
Oxidizing Substances	
Loss on Drying	14.0 - 16.0 %
(150 Deg C)	
Calcium (Ca)	≤ 0.05 %
Potassium (K)	≤ 0.0025 %
Sodium (Na)	≤ 0.005 %
Strontium (Sr)	≤ 0.1 %
Heavy Metals	≤ 5 ppm
by ICP-OES	
Iron (Fe)	≤ 2 ppm
Meets ACS Requirements	Meets Requirements
Tenth Edition	
Recommended Retest Period	-----
3 Years	

Specification: PRD.3.ZQ5.1000017250

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.