

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:
Calcium chloride dihydrate - ACS reagent, ≥99%

Product Number:	223506	CaCl₂ · 2H₂O
CAS Number:	10035-04-8	
MDL:	MFCD00149613	
Formula:	CaCl ₂ · 2H ₂ O	
Formula Weight:	147.01 g/mol	

TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder or Crystals
X-Ray Diffraction	Conforms to Structure
Complexometric EDTA	99.0 - 105.0 %
pH	4.5 - 8.5
@ 25 Deg C (c= 5%, water)	
Insoluble matter	≤ 0.01 %
c= 10%, water	
Oxidizing Substances	< = 0.003%
Sulfate	≤ 0.01 %
Ammonium	≤ 0.005 %
Barium	≤ 0.005 %
Heavy Metals	≤ 5 ppm
by ICP-OES	
Iron (Fe)	≤ 0.001 %
Magnesium (Mg)	≤ 0.005 %
Potassium (K)	≤ 0.01 %
Sodium (Na)	≤ 0.02 %
Strontium (Sr)	≤ 0.1 %
Meets ACS Requirements	Current ACS Specification
Tenth Edition	
Recommended Retest Period	-----
36 months	

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**

Specification: PRD.1.ZQ5.1000063043

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