

3050 Spruce Street, Saint Louis, MO 63103, USA

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

Product Specification

Product Name:

Calcium chloride dihydrate – puriss. p.a., ACS reagent, reagent Ph. Eur., ≥99%

Product Number:

31307

 $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$

CAS Number:

10035-04-8

MDL:

MFCD00149613

Formula:

 $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$

Formula Weight:

147.01 g/mol

TEST	Specification
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Complexometric EDTA	≥ 99.0 %
pH	4.5 - 8.0
5%, 25 deg C	
Water Insoluble Matter	≤ 0.01 %
Acidity or Alkalinity	Complying
Ammonium	≤ 0.005 %
Nitrate (NO ₃)	≤ 0.002 %
Sulfate (SO ₄)	≤ 0.005 %
Oxidizing Substances	≤ 0.003 %
as NO ₃	
Magnesium & Alkali Salts	≤ 0.5 %
Mg and Alkali Salts (SO ₄)	
Appearance of Solution	Complying
Color of Solution	Complying
Turbidity	≤ 3.5 NTU
Aluminum (Al)	≤ 0.0001 %
Arsenic (As)	≤ 0.0001 %
Barium (Ba)	≤ 0.005 %
Cadmium (Cd)	≤ 0.0005 %
Cobalt (Co)	≤ 0.005 %
Copper (Cu)	≤ 0.0005 %
Iron (Fe)	≤ 0.0005 %
Potassium (K)	≤ 0.005 %
Magnesium (Mg)	≤ 0.005 %

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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Sodium (Na)	≤ 0.005 %
Nickel (Ni)	≤ 0.005 %
Lead (Pb)	≤ 0.0005 %
Strontium (Sr)	≤ 0.01 %
Zinc (Zn)	≤ 0.0005 %
Heavy Metals (by ICP)	≤ 5 ppm

Note	Note
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Identity, assay and impurities are complying to the monographs of the above mentioned pharmacopeias/codices.

Specification: PRD.1.ZQ5.10000075914

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