

Material No.: 1336-08 Revision No.: 0

Product Specification

Meets B.P. Chemical Specifications, Meets F.C.C. Requirements, Meets E.P. Chemical Specifications, Meets U.S.P Requirements, Meets J.P. Chemical Specifications, GMP Manufactured Product

Test	Specification
USP - Assay (CaCl ₂ ·2H ₂ O)	99.0 - 107.0 %
USP – Identification A	Passes Test
USP – Identification B	Passes Test
USP – pH of 5% Solution at 25°C	4.5 - 9.2
USP - Iron, Aluminum, and Phosphate	Passes Test
USP – Magnesium and Alkali Salts	≤ 1.0 %
USP – Aluminum (Al)(μg/g)	≤ 1
Endotoxin Concentration (EU/g)	≤ 10
FCC - Assay (CaCl ₂ ·2H ₂ O)	99.0 - 107.0 %
FCC - Identification A	Passes Test
FCC - Identification B	Passes Test
FCC - Arsenic (As)	≤ 3 mg/kg
FCC - Magnesium and Alkali Salts	≤ 1.0 %
FCC - Lead (Pb)	≤ 5 mg/kg
FCC – Fluoride (F)	≤ 0.004 %
Appearance (White crystals or granules)	Passes Test
EP/BP - Assay (CaCl ₂ ·2H ₂ O)	97.0 - 103.0 %
EP/BP - Identification A	Passes Test
EP/BP - Identification B	Passes Test
EP/BP - Identification C	Passes Test
EP/BP - Appearance of Solution	Passes Test
EP/BP – Acidity or Alkalinity	Passes Test
EP/BP - Sulfate (SO ₄)	≤ 300 ppm
EP – Aluminum (AI)	≤ 1 ppm
EP/BP - Iron (Fe)	≤ 10 ppm
EP/BP - Magnesium and Alkali Metals	≤ 0.5 %
JP – Assay (CaCl ₂ ·2H ₂ O)	96.7 - 103.3 %
JP – Identification	Passes Test

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CalPlus™ (Brand of Calcium Chloride Dihydrate), USP Multi-Compendial Suitable for Use in Hemodialysis



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JP - pH (1 in 20)	4.5 - 9.2	
JP – Heavy Metals (as Pb)	≤ 10 ppm	
JP – Clarity and Color of Solution	Passes Test	
JP – Sulfate (SO ₄)	≤ 0.024 %	
JP – Hypochlorite	Passes Test	
JP – Iron, Aluminum or Phosphate	Passes Test	
JP – Barium (Ba)	Passes Test	
JP – Arsenic (As)	≤ 2 ppm	

GMP Manufactured Product
Food GMP Manufactured Product
Bulk Food Chemical
Bulk Pharmaceutical Chemical
CAUTION: For Manufacturing, processing or repackaging
No Class 1,2,3 or other solvents are used or produced in the manufacturing or purification of the product.
Elemental Impurities (USP 232, EP 5.20) – Information on elemental impurities for this product is available on the associated Product Regulatory Data Sheet and elemental impurity profile report.
Suitable for use in hemodialysis.

Packaging Site: Paris Mfg Ctr & DC

