



# CERTIFICATE OF ANALYSIS

<b>Item Number</b>	C1008C	<b>Lot Number</b>	3HK0032
<b>Item</b>	Calcium Chloride, Dihydrate, USP, EP		
<b>CAS Number</b>	10035-04-8		
<b>Molecular Formula</b>	CaCl <sub>2</sub> •2H <sub>2</sub> O	<b>Molecular Weight</b>	147.01

TEST	SPECIFICATION	RESULT
ASSAY (USP)	99.0% - 107.0%	101.3%
ALUMINUM (USP)	-- 1 ppm	< 1 ppm
MAGNESIUM AND ALKALI SALTS (USP)	-- 1.0%	< 1.0%
IRON, ALUMINUM, PHOSPHATE (USP)	TO PASS TEST	PASSES TEST
pH (50 mg/mL) (USP)	4.5 - 9.2	7.2
IDENTIFICATION (A) (USP)	CALSIUM	PASSES TEST
IDENTIFICATION (B) (USP)	CHLORIDE	PASSES TEST
ASSAY (EP)	97.0% - 103.0%	101.3%
APPEARANCE OF SOLUTION (EP)	CLEAR AND COLORLESS	PASSES TEST
ACIDITY OR ALKALINITY (EP)	-- 0.2 mL of 0.01 M HCl / NaOH	PASSES TEST
SULFATE (EP)	-- 300 ppm	< 300 ppm
ALUMINUM (EP)	-- 1 ppm	< 1 ppm
BARIUM (EP)	TO PASS TEST	PASSES TEST
IRON (EP)	-- 10 ppm	< 10 ppm
MAGNESIUM AND ALKALI METALS (EP)	-- 0.5%	< 0.5%
IDENTIFICATION (A) (EP)	CHLORIDES	PASSES TEST
IDENTIFICATION (B) (EP)	CALCIUM	PASSES TEST
IDENTIFICATION (C) (EP)	LIMIT OF THE ASSAY	PASSES TEST
ELEMENTAL IMPURITIES	AS REPORTED	COMPLIES WITH STANDARD
APPEARANCE	WHITE CRYSTALLINE POWDER	WHITE CRYSTALLINE POWDER
RESIDUAL SOLVENTS	TO PASS TEST	NO RESIDUAL SOLVENTS USED
MANUFACTURE DATE		11-OCT-2018
RETEST DATE		11-OCT-2021



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