



**Specification for Calcium Chloride, Dihydrate, USP, EP, JP  
(Pyrogen Free), bioCERTIFIED (TM) (C9000)**

Item Number	C9000
Item	Calcium Chloride, Dihydrate, USP, EP, JP (Pyrogen Free), bioCERTIFIED (TM)
CAS Number	10035-04-8
Molecular Formula	
Molecular Weight	
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
ASSAY (USP)	99.0	107.0 %
ASSAY (EP)	97.0	103.0 %
ASSAY (JP)	96.7	103.3 %
pH of a 5% Solution (USP)	4.5	9.2
Iron, Aluminum and Phosphate (USP)		TO PASS TEST
ACIDITY OR ALKALINITY (EP)		TO PASS TEST
IRON (EP)		10 ppm
ELEMENTAL IMPURITIES		AS REPORTED
HEAVY METALS (JP)		10 ppm
MAGNESIUM AND ALKALI METALS (EP)		0.5 %
MAGNESIUM AND ALKALI SALTS (USP)		1.0 %
Appearance of Solution (EP)		TO PASS TEST
Sulfates (JP)		0.024 %
SULFATES (EP)		300 ppm
Hypochlorite (JP)		TO PASS TEST
Barium (EP)		TO PASS TEST
Arsenic (JP)		2 ppm
Aluminium (EP)		TO PASS TEST
Aluminum (USP)		1 ppm
MICROBIAL LIMITS:		
BACTERIAL ENDOTOXINS		5 IU/g
TAMC		1000 CFU/g
TYMC		100 CFU/g
IDENTIFICATION		TO PASS TEST

Test	Specification	
	Min	Max
RETEST DATE		
DATE OF MANUFACTURE		
RESIDUAL SOLVENTS		AS REPORTED

***Spectrum Chemical Mfg Corp***

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