

Item Number	CA140
Item	Calcium Chloride, Dihydrate, USP, EP, BP, JP
CAS Number	10035-04-8
Molecular Formula	CaCl ₂ •2H ₂ O
Molecular Weight	147.01
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (USP)	99.0	107.0 %
ASSAY (EP/BP)	97.0	103.0 %
ASSAY (JP)	96.7	103.3 %
pH (USP/JP)	4.5	9.2
COLOR AND CLARITY OF SOLUTION (JP)	CLEAR AND COLORLESS	
IRON, ALUMINUM AND PHOSPHATE (USP/JP)	NO TURBIDITY OR PRECIPITATE IS PRODUCED	
IRON (Fe) (EP/BP)		10 ppm
HEAVY METALS (JP)		10 ppm
LIMIT OF MAGNESIUM AND ALKALI SALTS (USP)		1.0 %
MAGNESIUM AND ALKALI METALS (EP/BP)		0.5 %
APPEARANCE OF SOLUTION (EP/BP)	CLEAR AND NOT MORE COLOR THAN Y?	
SULFATE (EP/BP)		300 ppm
SULFATE (JP)		0.024 %
HYPOCHLORITE (JP)	NO BLUE COLOR	
BARIUM (JP)	NO TURBIDITY FORMS	
ARSENIC (JP)		2 ppm
ACIDITY OR ALKALINITY (EP/BP)		0.2 mL
ALUMINUM (EP/BP)	NO TURBIDITY OR PRECIPITATE IS FORMED	
ELEMENTAL IMPURITIES	AS REPORTED	
IDENTIFICATION A (USP A)	POSITIVE FOR CALCIUM	
IDENTIFICATION B (USP B)	POSITIVE FOR CHLORIDE	

Test	Specification	
	Min	Max
IDENTIFICATION C (EP/BP A)	POSITIVE FOR CHLORIDE	
IDENTIFICATION D (EP/BP B)	POSITIVE FOR CALCIUM	
IDENTIFICATION E (EP/BP C)	97.0	103.0 %
IDENTIFICATION F (JP)	POSITIVE FOR CALCIUM AND CHLORIDE	
CERTIFIED HALAL		
CERTIFIED KOSHER		
RETEST DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
MONOGRAPH EDITION.		
RESIDUAL SOLVENTS	AS REPORTED	

Spectrum Chemical Mfg Corp

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