



**Specification for Sodium Citrate, Dihydrate, USP, EP, BP, JP,
bioCERTIFIED (TM) (S9250)**

Item Number	S9250
Item	Sodium Citrate, Dihydrate, USP, EP, BP, JP, bioCERTIFIED (TM)
CAS Number	6132-04-3
Molecular Formula	$C_6H_5Na_3O_7 \cdot 2H_2O$
Molecular Weight	294.10
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
ASSAY (DRIED BASIS, JP, USP)	99.0	100.5 %
ASSAY (ANHYDROUS BASIS, EP)	99.0	101.0%
pH	7.5	8.5
CLARITY AND COLOR OF SOLUTION	TO PASS TEST	
LOSS ON DRYING	10.0	13.0 %
WATER DETERMINATION (KF)	11.0	13.0 %
ACIDITY OR ALKALINITY (EP, BP)	TO PASS TEST	
ALKALINITY (USP)	TO PASS TEST	
TARTRATE	TO PASS TEST	
OXALATE (JP)	TO PASS TEST	
OXALATE (EP, BP)		300 ppm
CHLORIDE		50 ppm
SULFATE		150 ppm
READILY CARBONIZABLE SUBSTANCES	TO PASS TEST	
HEAVY METALS		5 ppm
ARSENIC		1 ppm
ELEMENTAL IMPURITIES	AS REPORTED	
MICROBIAL LIMITS:		
TAMC		1000 CFU/g
TYMC		100 CFU/g
BACTERIAL ENDOTOXINS		2.5 EU/g
IDENTIFICATION	TO PASS TEST	
EXPIRATION DATE		
MANUFACTURE DATE		

Test	Specification	
	Min	Max
APPEARANCE		
RESIDUAL SOLVENTS	AS REPORTED	

Spectrum Chemical Mfg Corp

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