



## Specification for Chondroitin Sulfate Sodium Salt, USP Dietary Supplement (C1610)

Item Number	C1610
Item	Chondroitin Sulfate Sodium Salt, USP Dietary Supplement
CAS Number	9082-07-9
Molecular Formula	
Molecular Weight	
MDL Number	
Synonyms	Sodium Chondroitin Sulfate

Test	Specification	
	Min	Max
CHONDROITIN SULFATE SODIUM (DRIED BASIS)	90.0 %	105.0 %
SPECIFIC ROTATION, $[\alpha]_{D25}$	-20.0° to -30.0°	
RESIDUE ON IGNITION	20.0 %	30.0 %
pH (1 IN 100)	5.5	7.5
CLARITY AND COLOR OF SOLUTION	TO PASS TEST	
LOSS ON DRYING		12.0 %
NONSPECIFIC DISSACCHARIDES		10 %
PROTEIN		6.0 %
CHLORIDE		0.50 %
SULFATE		0.24 %
ELEMENTAL IMPURITIES:		
CADMIUM (Cd)	AS REPORTED	
LEAD (Pb)	AS REPORTED	
ARSENIC (As)	AS REPORTED	
MERCURY (Hg)	AS REPORTED	
CHROMIUM (Cr)	AS REPORTED	
ELECTROPHORETIC PURITY	TO PASS TEST	
MICROBIAL LIMITS:		
TOTAL BACTERIAL COUNT		10 <sup>3</sup> cfu/g
TOTAL YEASTS AND MOLDS COUNT		10 <sup>2</sup> cfu/g
SALMONELLA	NEGATIVE	
ESCHERICHIA COLI	NEGATIVE	
EXPIRATION DATE		
MANUFACTURE DATE		

Test	Specification	
	Min	Max
APPEARANCE		
RESIDUAL SOLVENTS	TO PASS TEST	

***Spectrum Chemical Mfg Corp***

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