

ROCHEM INTERNATIONAL, INC.

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PRODUCT SPECIFICATION

CHONDROITIN SULFATE SODIUM

USP

Version No.: 700056-019

Product Name:	Chondroitin Sulfate Sodium (Porcine)
Batch Number:	XXXXXXXXXXXXXX
Batch Size:	XXXXXXX
Manufactured Date:	XXXXXXX
Expiry/Expiration/Retest Date:	XXXXXXX
CAS No.:	9082-07-9
ITEMS	SPECIFICATIONS
Appearance:	White or almost white powder
Identification:	
A. Infrared Absorption	Meets the requirements of <197K>
B. ID Tests (Sodium)	Meets the requirements of <191>
C. Disaccharide Composition	≥ 1.0
D. Specific Rotation	-20.0° ~ -30.0°
Assay (on dried basis CPC):	90.0% ~ 105.0%
Assay (on dried basis HPLC):	90.0% ~ 105.0%
Loss on Drying (105°C for 4/hrs):	≤ 12.0%
Clarity and Color of Solution:	≤ 0.35 at 420nm
Residue on Ignition:	20.0% ~ 30.0%
pH (1% Solution):	5.5 ~ 7.5
Chloride:	≤ 0.50%
Sulfate:	≤ 0.24%
Heavy Metals (Method II):	≤ 0.002%
Electrophoretic Purity:	≤ 2.0%
Limit of Protein (on dried basis):	≤ 6.0%
Limit of Nonspecific Dissaccharides:	≤ 10.0%
Bulk Density:	≥ 0.6g/mL
Microbial Enumeration:	
Total Plate Count:	≤ 1,000 cfu/g
Yeast & Mold:	≤ 100 cfu/g
Salmonella:	Negative
S. aureus:	Negative
E. Coli:	Negative
Exp Date:	3 Years

Rev. 04