



Nutralliance

PRODUCT SPECIFICATION SHEET

Product Description: CHONDROITIN SULFATE 90% (BOVINE)

Item Number: CH5091

Test	Specification / Range	Test Method
Color:	White to Off-White	Visual
Appearance:	Free Flowing Powder	Visual
Assay by CPC (on Dry Basis):	NLT 90.0%	USP 29/CPC Titration
by Enzymatic HPLC (on As-Is Basis):	NLT 76.0%	Enzymatic HPLC
Bulk Density (Untapped):	NLT 0.60 g/mL	USP 29
pH:	5.5 - 7.5	USP 29
Loss on Drying:	NMT 10.0%	USP 29
Particle Size:	NLT 95% thru 80 Mesh	USP 29
Residue on Ignition:	20% - 30% (dried basis)	USP 29
Specific Rotation:	- 20.0° ~ - 30.0°	USP 29
Electrophoretic Purity:	Individual Impurity NMT 2.0%	USP 29
Heavy Metals:	NMT 20 ppm	USP 29
Protein:	NMT 6.0%	USP 29
Residual Solvents:	NMT 0.5% (Ethanol)	USP 29
Chloride:	NMT 0.50%	USP 29
Sulfate:	NMT 0.24%	USP 29
Microbiological		
Total Plate Count:	NMT 3,000 CFU/g	USP 29
Yeast & Mold:	NMT 100 CFU/g	USP 29
Salmonella:	Negative	USP 29
E.Coli:	Negative	USP 29

Packaging: 25 Kilogram Drum
Country of Origin: China/Thailand
Shelf Life: Two years from date of manufacture
Storage Recommendations: Store tightly sealed in a cool, dry location away from direct sunlight.

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