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Specification Sheet

Product Name	CHONDROITIN SULFATE	
Grade	Food/ Neutraceutical	
Source	Porcine	
Country of Origin	USA	
ANALYSIS	**REQUIREMENT**	**REFERENCE METHOD**
Appearance	Powder	Visual
Particle Size	100% thru 80 mesh	80 Mesh Screen
Solubility	H_2O	Visual
Color	White to off white	Visual
Odor	Deodorized	
Texture	Powder	Visual
Taste	Characteristic	
Sodium	To Pass Test	USP 41 <191>
Disaccharide Composition	To Pass Test	USP 41 – NF 32
Chloride	<0.50%	UPS 41 <221>
Chondroitin Sulfate (dry basis)sulfate	90.0% – 105.0%	USP 41 <CPC> Titration
Sulfate	<0.24%	USP 41 <221>
Electrophoretic Purity	<2%	USP 41 – NF 32
Limit of Protein	<6.0%	USP 41 – NF 32
Total Bacterial Count	<1,000 CFU/g	USP 41 <2021>
Yeast Count	<100 CFU/g	USP 41 <2021>
Mold Count	<100 CFU/g	USP 41 <2021>
Salmonella	Absent	USP 41 <2022>
Escherichia coli	Absent	USP 41 <2022>
Staphylococcus Aureus	Absent	USP 41 <2022>
Heavy Metals	<20 ppm	USP 41 <231>
Arsenic	<2 ppm	
Cadmium	<2 ppm	
Lead	<1 ppm	
Mercury	<0.5 ppm	
Limit of Nonspecific Dissacharides	<10%	USP 41 – NF 36
Clarity and color of Solution	Absorbance <0.35	USP 41 – NF 36
pH	5.5 – 7.5	USP 41 <791>
Loss on Drying	<12.0%	USP 41 <731>
Bulk Density – Tapped	0.65 -0.70 g/ml	USP 41 – NF 36
Bulk Density – Untapped	0.55 – 0.60 g/ml	USP 41 – NF 36
Nitrogen	2.5% - 3.8%	European Pharmacopia
Sulfur	5.5% - 7.0%	European Pharmacopia
Molecular Weight in Daltons	10,000 – 15,000	Gel Permeation Chromatography

Note: The above information is based on the specification sheet received from the manufacturer of this product and not intended as a substitute for strict quality control analysis by the purchaser of this product.

Reviewed by : _____

Abdullah Malik (QA)