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Product Specification Data Sheet

Droi-Kon® Chondroitin Sulfate

Grade: Food Supplement
Species: USDA Approved Porcine Cartilage
CAS #: 9082-07-9
Country of Origin: United States of America

Description:
Appearance: A white hygroscopic flowing powder
Particle Size: 100% thru 60-80 Mesh
Solubility: H₂O

<u>Analytical:</u>	<u>Result</u>	<u>Specification</u>
Color:	Conforms	White to Off-White
Odor:	Conforms	Characteristic
Texture:	Conforms	Powder
Taste:	Conforms	Characteristic

<u>Analytical:</u>	<u>Result</u>	<u>Requirement</u>	<u>Reference Method</u>
Chondroitin Sulfate (dry basis):	Conforms	90% to 105%	USP 41 < CPC Titration >
Chondroitin Sulfate:	Conforms	90% to 105%	HPLC Schuster
Chondroitin Sulfate:	Conforms	90% to 105%	UV/VIS
Sodium:	Conforms	TO PASS TEST	WLICP.409
Chloride:	Conforms	<0.5%	USP <221>
Sulfate:	Conforms	<0.24%	USP <221>
Protein:	Conforms	<6.0%	AOAC 990.03/992.23
pH:	Conforms	5.5-7.5	USP 40 p6543
Moisture:	Conforms	<12.0%	WLEQU.008.01
Identity Test by NIR:	Conforms	Chondroitin Sulfate	USP <1119>
Bulk Density - Tapped:	Conforms	0.65 - 0.70 g/ml	USP {616}
Bulk Density - Untapped:	Conforms	0.55 - 0.60 g/ml	USP {616}
Sulfur:	Conforms	5.5% - 7.0%	AOAC 980-02
Total Bacterial Count:	Conforms	<1,000 CFU/g	AOAC Modified
Yeast & Molds:	Conforms	<100 CFU/g	AOAC Modified
Staphylococcus Aureus:	Conforms	Absent	PCR
Escherichia coli:	Conforms	Absent	PCR
Salmonella spp:	Conforms	Absent	PCR
Clarity and color of Solution:	PASSES TEST	Absorbance <0.35	USP 41-NF 36
Identification:	Conforms	Positive	FT-NIR
Species:	Conforms	Porcine Cartilage	FT-NIR
Molecular Weight in Daltons:	Conforms	10,000-15,000	Gel Permeation Chromatography
Water Activity aw:	Conforms	<0.85	AOAC 978.18

<u>Heavy Metals:</u>	<u>Result</u>	<u>Requirement</u>	<u>Reference Method</u>
Arsenic:	Conforms	<1 ppm	USP <2232>
Cadmium:	Conforms	<1 ppm	USP <2232>
Lead:	Conforms	<0.1 ppm	USP <2232>
Mercury:	Conforms	<0.1 ppm	USP <2232>

Chemical Name: Sodium(beta-Glucuronic acid-(1-3) N-acetyl-beta-galactosamine-4-sulfate
Shelf Life: Three (3) years from date of manufacture
Container Type & Storage: 25/kg net drums with polyethylene liner
Storage: Preserve in tight, light-resistant container

This product conforms to California's Proposition 65, which regulates toxic substances

The Somerset County Chamber of Commerce, a recognized Chamber of Commerce under the laws of the State of New Jersey, has examined the manufacturer's invoice and shipper's affidavit concerning the origin of the merchandise, and according to the best of its knowledge and belief, finds that the products named originated in the United States of North America, relying on the exporter's representation.

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 NOTARY PUBLIC
 STATE OF NEW JERSEY
 MY COMMISSION EXPIRES April 14, 2025