Droi-Kon®

summit nutritionals international, inc.®

Product Specification Data Sheet

Droi-Kon® Chondroitin Sulfate

Grade:	**Food Supplement**
Species:	**Marine Cartilage (Lophius americanus, Raja ocellata & Squalus acanthias)**
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 :	H_2O

Analytical :	**Result**	**Specification**
Color :	Conforms	White to Off -White
Odor :	Conforms	Characteristic
Texture :	Conforms	Powder
Taste:	Conforms	Characteristic

Analytical :	**Result**	**Requirement**	**Reference Method**
Chondroitin Sulfate (dry basis) :	**Conforms**	**90% to 105%**	**USP 41 CPC Titration**
Chondroitin Sulfate:	**Conforms**	**>90%**	**Carbazole**
Chondroitin Sulfate:	**Conforms**	**>90%**	**HPLC Schuster**
Chondroitin Sulfate:	**Conforms**	**>90%**	**UV/VIS**
Sodium :	**Conforms**	**TO PASS TEST**	**USP 41<191>**
Disaccharide Composition:	Conforms	TO PASS TEST	USP 41- NF 36
Chloride:	Conforms	<0.50%	USP 41 < 221 >
Sulfate :	Conforms	<0.24%	USP 41 < 221 >
Electrophoretic Purity :	Conforms	<2%	USP 41- NF 36
Limit of Protein :	Conforms	<6.0%	USP 41- NF 36
Total Bacterial Count:	Conforms	<1,000 CFU/g	USP 41 < 2021 >
Yeast Count :	Conforms	<100 CFU/g	USP 41 < 2021 >
Mold Count :	Conforms	<100 CFU/g	USP 41 < 2021 >
Salmonela:	Conforms	Absent	USP 41 < 2022 >
Escherichia coli:	Conforms	Absent	USP 41 < 2022 >
Staphylococcus Aureus :	Conforms	Absent	USP 41 < 2022 >
Limit of Nonspecific Dissacharides:	Conforms	< 10%	USP 41- NF 36
Clarity and color fo Solution:	Conforms	absorbance <0.35	USP 41- NF 36
pH:	Conforms	5.5-7.5	USP 41 < 791 >
Loss on Drying :	Conforms	< 12.0%	USP 41 < 731 >
Identification:	Conforms	Positive	FTNIR
Species:	Conforms	Shark Cartilage	Tepnel Species ELISA
Bulk Density - Tapped:	Conforms	0.65-0.70 g/ml	USP 41- NF 36
Bulk Density - Untapped:	Conforms	0.55-0.60 g/ml	USP 41- NF 36
Sulfur:	Conforms	5.5%-7.0%	European Pharmacopeia
Molecular Weight in Daltons:	Conforms	10,000-15,000	Gel Permeation Chromatography
Water Activity (a w) at 22 ° C	Conforms	< 0.85%	AOAC 978.18
Heavy Metals:	Conforms	< 20ppm	USP 41 < 231 >
Elemental Impurities :			
Arsenic :	Conforms	<1 ppm	USP 41 < 233 >
Cadmium :	Conforms	<1 ppm	USP 41 < 233 >
Lead:	Conforms	< 0.1 ppm	USP 41 < 233 >
Mercury:	Conforms	< 0.1 ppm	USP 41 < 233 >

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

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