

Droi-Kon®  
**summit**  
**nutritional**  
 international, inc.®



## Product Specification Data Sheet

### Droi-Kon® Chondroitin Sulfate

**Molecular Formula:** (C<sub>14</sub>H<sub>21</sub>NNaO<sub>15</sub>S)  
**Molecular Weight in Daltons:** 10,000 - 20,000  
**Grade:** Food/Nutraceutical  
**Species:** USDA Approved Chicken Trachea/Cartilage (Gallus gallus domesticus)  
**CAS #:** 9082-07-9  
**Country of Origin:** USA

**Description:**

Appearance: A white hygroscopic flowing powder  
 Particle Size: 100% thru 60 - 80 Mesh  
 Solubility: H<sub>2</sub>O

**Analytical:**

Color:	Conforms	White
Odor:	Conforms	Characteristic or Deodorized
Texture:	Conforms	Powder
Taste:	Conforms	Characteristic

**Analytical:**

	<b>Result</b>	<b>Requirement</b>	<b>Reference Method</b>
<b>Chondroitin Sulfate: (dry basis)</b>	<b>Conforms</b>	<b>90% to 105%</b>	<b>USP 37 CPC Titration</b>
<b>Chondroitin Sulfate:</b>	<b>Conforms</b>	<b>&gt;90%</b>	<b>Carbazole</b>
<b>Chondroitin Sulfate:</b>	<b>Conforms</b>	<b>&gt;90%</b>	<b>HPLC Schuster</b>
Sodium:	Conforms	To Pass Test	USP 37 <191>
Disaccharide Composition:	Conforms	To Pass Test	USP 37 - NF 32
Chloride:	Conforms	<0.50%	USP 37 <221>
Sulfate:	Conforms	<0.24%	USP 37 <221>
Electrophoretic Purity:	Conforms	<2%	USP 37 - NF 32
Limit of Protein:	Conforms	<6.0%	USP 37 - NF 32
Total Bacterial Count:	Conforms	<1,000 CFU/g	USP 37 <2021>
Yeast Count:	Conforms	<100 CFU/g	USP 37 <2021>
Mold Count:	Conforms	<100 CFU/g	USP 37 <2021>
Salmonela:	Conforms	Absent	USP 37 <2022>
Escherichia coli:	Conforms	Absent	USP 37 <2022>
Heavy Metals:	Conforms	<20 ppm	USP 37 <231>
Limit of Nonspecific Dissaccharides:	Conforms	<10%	USP 37 - NF 32
Clarity and color of Solution:	Conforms	Absorbance <0.35	USP 37 - 32
pH:	Conforms	5.5 - 7.5	USP 37 <791>
Loss on Drying:	Conforms	<12.0%	USP 37 <731>
Identification:	Conforms	Positive	FTNIR
Species:	Conforms	Chicken cartilage	Tepnel Species ELISA
Bulk Density - Tapped	Conforms	0.65-0.70 g/ml	USP 37
Bulk Density - Untapped	Conforms	0.55-0.60 g/ml	USP 37

**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:**

25/kg net drums with polyethylene liner

**This product conforms to California's Proposition 65, which regulates toxic substances  
 Keep container tightly closed in a cool well-ventilated place. Protect from light**

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