



91 Governor Drive • Basking Ridge, New Jersey 07920 - USA
 www.SummitNutritionals.com • e-mail: Sales@SummitNutritionals.com
 Tel: 908-542-1600 • Fax: 908-542-1601

Product Specification Data

Bovine Chondroitin Sulfate Sodium, Type A

Description: A white to off-white hygroscopic powder with characteristic odor and taste.
Source: Bovine Trachea.
Particle Size: 60-80 Mesh.
Origin of Trachea: USDA Approved Trachea.
Country of Origin: United States of America.
Manufactured by: Summit Nutritionals International, Inc.

<u>Analytical:</u>	<u>Limits</u>	<u>Method</u>
Color:	White to off- white	Visual
Odor:	Characteristic	Olfactory
Texture:	Powder	Visual
Taste:	Characteristic	Gustatory

<u>Assay:</u>	<u>Limits</u>	<u>Method</u>
<i>Chondroitin Sulfate:</i>	>90%	USP 29
Nitrogen:	< 5%	USP 29
Chloride:	<0.5%	USP 29
Sulfated Ashes:	23.0% - 31.0%	USP 29
Specific Rotation:	-20 ^o to -30 ^o	USP 29
Residue on Ignition:	20.0% - 30.0%	USP 29
Loss on Drying:	< 10.0%	USP 29
Arsenic:	< 3 PPM	USP 29
Heavy Metals:	< 20 PPM	USP 29
pH:	5.5 - 7.5	USP 29
Bulk Density Tapped:	< 0.9 g/ml	USP 29
Bulk Density Untapped:	> 0.7 g/ml	USP 29
Identification:	Positive	USP 29
Sulfur as S:	< 7.0%	USP 29

<u>Microbiological Standards:</u>	<u>Limits</u>	<u>Method</u>
Total Plate Count:	< 1000 cfu/g	USP 29
Salmonella:	Absent	USP 29
Total Coliforms:	Absent	USP 29
E.Coli:	Absent	USP 29
Staphylococcus aureus:	Absent	USP 29
Pseudomonas aeruginosa:	Absent	USP 29
Yeasts:	< 300 cfu/g	USP 29
Molds:	< 300 cfu/g	USP 29
Clostridium species:	Absent	USP 29

Organic Volatile Impurities:	Meets the requirements	USP 29
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Nutritional Analysis:	Limits Per 100/gr.	Method
Calories:	<200 gr	AOAC
Calories from Fat:	Absent	AOAC
Total Fat:	Absent	AOAC
Saturated Fat:	<0.1 gr	AOAC
Cholesterol:	Absent	AOAC
Dietary Fibers:	Absent	AOAC
Protein:	<4 gr	AOAC
Carbohydrates:	<85 gr	AOAC
Sugars:	Absent	AOAC
Calcium:	Absent	AOAC
Iron:	Absent	AOAC
Vitamin A:	Absent	AOAC
Vitamin C:	Absent	AOAC
Sodium:	<290 gr/ml or 0.29%	AOAC

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

<u>Shelf Life:</u>	Three years from date of manufacture.
<u>Storage & Handling:</u>	Tightly sealed in a clean, cool, dry location.
<u>Container Type:</u>	25/kg or 50/kg Net Fiber Drums with polyethylene liner.