



## Product Specification Data Sheet

### Chicken Chondroitin Sulfate Sodium >90%

<b>Description:</b>	A white hygroscopic flowing powder
<b>Source:</b>	Chicken Trachea/Cartilage.
<b>Grade:</b>	Food
<b>Solubility:</b>	H <sub>2</sub> O
<b>Molecular Weight in Daltons:</b>	10,000 ~ 20,000
<b>CAS #:</b>	9082-07-9
<b>Formula:</b>	(C <sub>14</sub> H <sub>21</sub> NO <sub>14</sub> S) <sub>n</sub>
<b>Particle Size:</b>	100% Thru 80 Mesh.
<b>Origin of Trachea:</b>	USDA Approved Trachea/Cartilage
<b>Country of Origin:</b>	U.S.A.

<b>Description:</b>	<b>Standard</b>	<b>Results</b>
Color:	White	Visual
Odor:	Deodorized	Olfactory
Texture:	Powder	Visual
Taste:	Characteristic	Gustatory

<b>Analytical:</b>	<b>Standard</b>	<b>Results</b>
Chloride:	<0.5%	Conforms
pH: (1% Solution)	5.5 ~ 7.5	Conforms
Loss on Drying:	<10%	Conforms
Sulfate:	<0.24%	Conforms
Sulfur:	5.5% ~ 7.5%	Conforms
Protein:	<6%	Conforms
Electrophoretic Purity:	<2%	Conforms
Sodium:	<4%	Conforms
Nitrogen:	<3% ~ 4%	Conforms
Bulk Density Tapped:	<0.65 ~ 0.70 g/ml	Conforms
Bulk Density Untapped:	<0.55 ~ 0.60 g/ml	Conforms

<b>Chondroitin Assay:</b>	<b>Standard</b>	<b>Results</b>
By CPC Titration:	>90%	Conforms
By Carbazole:	>90%	Conforms
Enviro-Test:	>90%	Conforms
HPLC Schuster:	>90%	Conforms

<b>Heavy Metals:</b>	<b>Standard</b>	<b>Results</b>
Lead:	<0.5 ppm	Conforms
Cadmium:	<1 ppm	Conforms
Mercury:	<0.1 ppm	Conforms
Arsenic:	<1 ppm	Conforms

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Member of the US Chamber of Commerce  
Member of the Somerset County Chamber of Commerce  
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<u>Microbiological Standards:</u>	<u>Standard</u>	<u>Results</u>
Total Plate Count:	<1000 cfu/g	Conforms
Salmonella:	Absent	Conforms
Total Coliforms:	Absent	Conforms
E.Coli:	Absent	Conforms
Staphylococcus aureus:	Absent	Conforms
Pseudomonas aeruginosa:	Absent	Conforms
Yeasts:	<10 cfu/g	Conforms
Molds:	<10 cfu/g	Conforms

**Organic Volatile Impurities:** Meets the requirements

**Solvent Residual:** Meets the requirements

**Chemical Name:**

1(2/3)-N-acetyl-2-amino-2-deoxy-3-O-beta-D-glucopyranosyl-4-(6)sulfonyl-D-galactose.

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

**\*\*This product complies with Eur. Ph 6.5 requirements\*\***

**\*\*\*This product is manufactured according to USP 33 Parameters\*\*\***

**Shelf Life:**

Three years from date of manufacture.

**Storage & Handling:**

Tightly sealed in a clean, cool, dry location.

**Container Type:**

25/kg net fiber drums with polyethylene liner.

**Store at room temperature (30<sup>0</sup> +/- 2<sup>0</sup>. Celsius Degrees), Humidity at 70 +/-5%, protect from light.**

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