



Product Specification Data Sheet

Porcine Chondroitin Sulfate Potassium Salt 90%

Description: A white hygroscopic flowing powder
Source: Porcine Trachea/Cartilage.
Grade: Food/Nutraceutical
Solubility: H₂O
Molecular Weight: 499.38
Molecular Weight in Daltons: 10,000 ~ 20,000
CAS #: 9082-07-9
Formula: (C₁₄H₂₁NO₁₄S)_n
Particle Size: 100% Thru 80 Mesh.
Origin of Trachea: USDA Approved Trachea/Cartilage
Country of Origin: U.S.A.

<u>Description:</u>	<u>Standard</u>	<u>Method</u>
Color:	White	Conforms
Odor:	Deodorized	Conforms
Texture:	Powder	Conforms
Taste:	Characteristic	Conforms

<u>Analytical:</u>	<u>Standard</u>	<u>Method</u>
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
Potassium:	<1%	Conforms
Nitrogen:	<3% ~ 4%	Conforms
Bulk Density Tapped:	<0.65 ~ 0.70g/ml	Conforms
Bulk Density Untapped:	<0.55 ~ 0.60g/ml	Conforms

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

<u>Heavy Metals:</u>	<u>Standard</u>	<u>Results</u>
Lead:	<0.5 ppm	Conforms
Cadmium:	<1 ppm	Conforms
Mercury:	<0.01 ppm	Conforms
Arsenic:	<1 ppm	Conforms

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Member of the US 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-2amino-2deoxy-3-O-beta-Dglucopyranosyl-4-(6)sulfonyl-D-galactose.

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

****The parameters mentioned on this Specification Sheet were tested according to USP 34****

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.

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