



**ANALYTICAL LABORATORIES IN ANAHEIM, INC.**

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Job#: 9720 I Sample: Chondroitin Sulfate 90% Porcine

Lot#: CS2017 031 2

Attn: Michele

Receive Date: 04-24-2017

Report Date: 05-10-2017

<b>Analysis</b>	<b>Result (as is)</b>	<b>Result (dry base)</b>
Chondroitin disaccharide di-4S sodium salt	49.6%	
Chondroitin disaccharide di-6S sodium salt	18.0%	
Chondroitin disaccharide di-OS sodium salt	8.95%	
Total Chondroitin disaccharide	76.6%	84.1%
(Equivalent to USP Chondroitin Sulfate Reference Standard)		
Chondroitin Sulfate A	59.2%	
Chondroitin Sulfate C	21.5%	
Nonsulfate chondroitin	10.7%	
<b>Total Chondroitins (Enzymatic HPLC)</b>	<b>91.4%</b>	<b>100%</b>
Loss on Dry	8.89%	

Method: ALC150A ( Enzymatic-HP LC):

Chondroitin disaccharide di-OS sodium salt, Sigma C3920 01OM 1203

Chondroitin disaccharide di-4S sodium salt, Sigma C4045 OIOM1206

Chondroitin disaccharide di- 6S sodium salt, Sigma C4170 098K1 122

USP Reference Standard: cat# 1133570, lot# R039AO

Dry condition: 105 C for 4 hours.

**Chemist:** my tay

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**Director, David Ji:** David Ji 05/10/2017