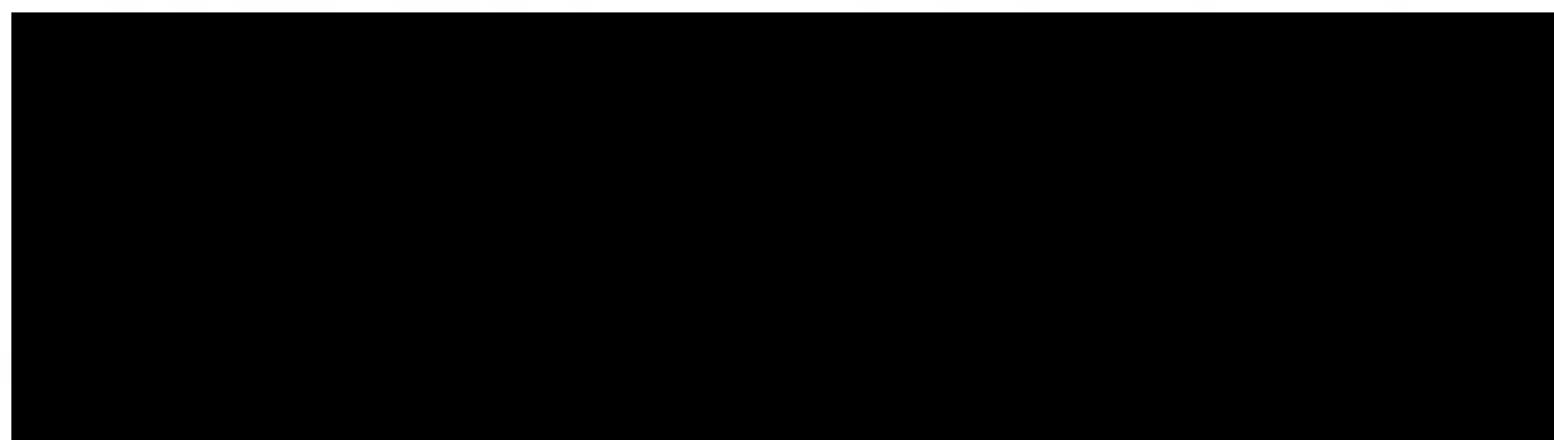




ANALYTICAL LABORATORIES IN ANAHEIM, INC.

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Website: <http://www.analytical-lab.com>



Receive Date: 09/16/2016

Report Date: 09/30/2016

Job#: 89654 Sample: Chondroitin Sulfate
Lot#: CS20160811

Analysis	Result (as is)	Result (dry base)
Chondroitin disaccharide Δdi-4S sodium salt	48.4%	
Chondroitin disaccharide Δdi-6S sodium salt	13.8%	
Chondroitin disaccharide Δdi-0S sodium salt	6.23%	
Total Chondroitin disaccharide	68.4%	75.6%
(Equivalent to USP Chondroitin Sulfate Reference Standard)		
Chondroitin Sulfate A	57.0%	
Chondroitin Sulfate C	16.3%	
Nonsulfate chondroitin	7.34%	
Total Chondroitins (Enzymatic HPLC)	80.6%	89.1%
Loss on Dry	9.54%	

Method: ALC150A (Enzymatic-HPLC);

Chondroitin disaccharide di-0S sodium salt, Sigma C3920 010M1203

Chondroitin disaccharide di-4S sodium salt, Sigma C4045 010M1206

Chondroitin disaccharide di-6S sodium salt, Sigma C4170 098K1122

USP Reference Standard: cat# 1133570, lot# R039A0

Dry condition: 105 C for 4 hours.

Chemist:

09/30/2016

Director, David Ji:

09/30/2016