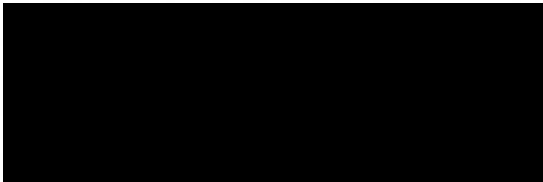




**ANALYTICAL LABORATORIES IN ANAHEIM, INC.**

2951 Saturn Street Unit C, Brea, CA 92821 Ph: (714)524-9988 Fax:(714)524-9926  
Website: <http://www.analytical-lab.com>



Receive Date: 05-09-2017

Report Date: 05-24-2017

Job#: 97766 Sample: RW00B38, Chondroitin Sulfate (Porcine)  
Lot#: CS20170312

Analysis	Result (as is)	Result (dry base)
Chondroitin disaccharide Δdi-4S sodium salt	47.4%	
Chondroitin disaccharide Δdi-6S sodium salt	17.8%	
Chondroitin disaccharide Δdi-0S sodium salt	9.48%	
Total Chondroitin disaccharide	74.7%	82.0%
(Equivalent to USP Chondroitin Sulfate Reference Standard)		
Chondroitin Sulfate A	55.7%	
Chondroitin Sulfate C	20.9%	
Nonsulfate chondroitin	11.1%	
<b>Total Chondroitins (Enzymatic HPLC)</b>	<b>87.8%</b>	<b>96.4%</b>
Loss on Dry	8.95%	

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: *WJ for NK 24 May/17*

Director, David Ji: *David*

*J. 24 Ma.*