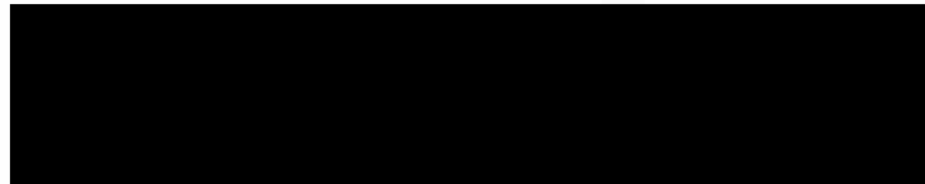
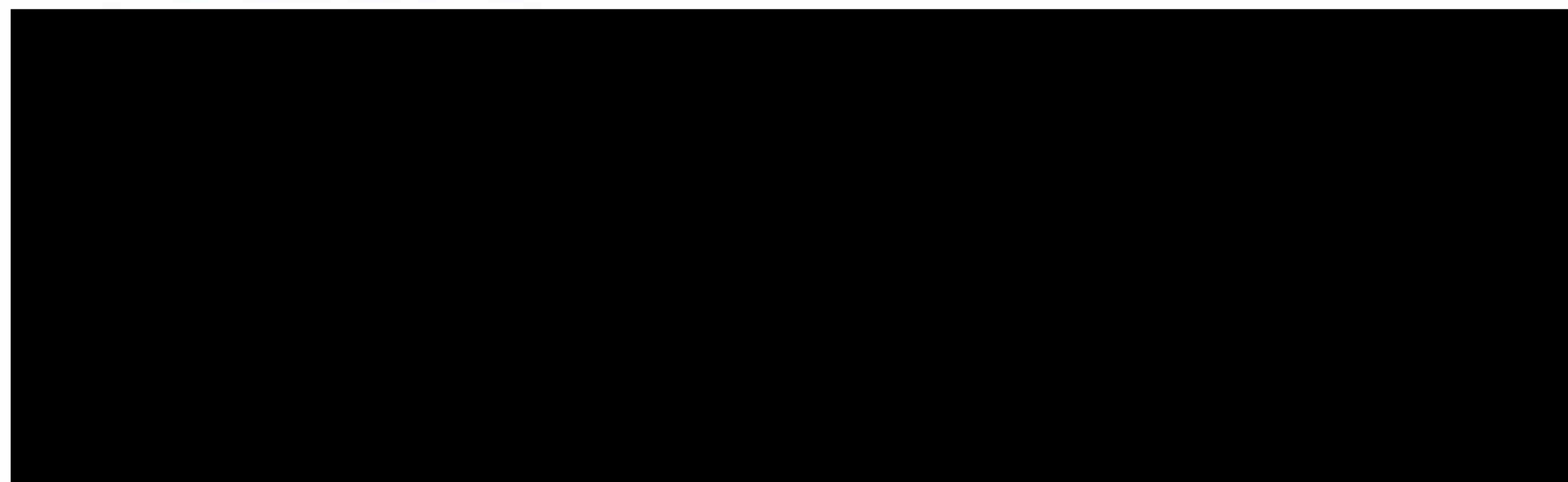




ANALYTICAL LABORATORIES IN ANAHEIM, INC.

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



Receive Date: 11/28/2016

Report Date: 12/12/2016

Job#: 92127 Sample: Chondroitin Sulfate
Lot#: CS20161004

Analysis	Result (as is)	Result (dry base)
Chondroitin disaccharide Δ di-4S sodium salt	47.7%	
Chondroitin disaccharide Δ di-6S sodium salt	13.6%	
Chondroitin disaccharide Δ di-0S sodium salt	6.45%	
Total Chondroitin disaccharide	67.8%	74.9%
(Equivalent to USP Chondroitin Sulfate Reference Standard)		
Chondroitin Sulfate A	56.5%	
Chondroitin Sulfate C	16.1%	
Nonsulfate chondroitin	7.65%	
Total Chondroitins (Enzymatic HPLC)	80.3%	88.7%
Loss on Dry	9.45%	

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:

12/12/2016

Director, David Ji: