



ANALYTICAL LABORATORIES IN ANAHEIM, INC.

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Nutralliance

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Tel: (714) 694-1400 Fax: (714) 694-1411

Job#: 90684 Sample: Chondroitin Sulfate 90% (Porcine)

Lot#: 20161012

Attn: April Martin

Receive Date: 10/14/2016

Report Date: 10/28/2016

Analysis	Result (as is)	Result (dry base)
Chondroitin disaccharide Δdi-4S sodium salt	47.5%	
Chondroitin disaccharide Δdi-6S sodium salt	15.8%	
Chondroitin disaccharide Δdi-0S sodium salt	5.05%	
Total Chondroitin disaccharide	68.4%	75.2%
(Equivalent to USP Chondroitin Sulfate Reference Standard)		
Chondroitin Sulfate A	56.0%	
Chondroitin Sulfate C	18.7%	
Nonsulfate chondroitin	5.96%	
Total Chondroitins (Enzymatic HPLC)	80.7%	88.8%
Loss on Dry	9.10%	

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:

Director, David Ji: