



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>

Nutralliance

23600 Via Del Rio, Suite B

Yorba Linda, CA 92887

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

Job#: 89978 Sample: Chondroitin Sulfate 90% (Bovine)

Lot#: 20160904

Attn: April Martin

Receive Date: 09/27/2016

Report Date: 10/12/2016

Analysis	Result (as is)	Result (dry base)
Chondroitin disaccharide Δdi-4S sodium salt	54.4%	
Chondroitin disaccharide Δdi-6S sodium salt	13.1%	
Chondroitin disaccharide Δdi-0S sodium salt	5.26%	
Total Chondroitin disaccharide	72.8%	79.5%
(Equivalent to USP Chondroitin Sulfate Reference Standard)		
Chondroitin Sulfate A	64.1%	
Chondroitin Sulfate C	15.5%	
Nonsulfate chondroitin	6.20%	
Total Chondroitins (Enzymatic HPLC)	85.8%	93.7%
Loss on Dry	8.47%	

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:

10/12/2016

Director, David Ji:

10/12/2016