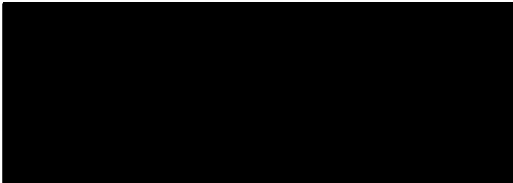




ANALYTICAL LABORATORIES IN ANAHEIM, INC.

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#: 97764 Sample: RW00B38, Chondroitin Sulfate (Porcine)

Lot#: CS20170310

Analysis	Claim	Result
Chondroitin disaccharide Δ di-4S sodium salt	47.9%	
Chondroitin disaccharide Δ di-6S sodium salt	18.0%	
Chondroitin disaccharide Δ di-0S sodium salt	9.44%	
Total Chondroitin disaccharide	75.4%	82.6%
(Equivalent to USP Chondroitin Sulfate Reference Standard)		
Chondroitin Sulfate A	56.3%	
Chondroitin Sulfate C	21.2%	
Nonsulfate chondroitin	11.1%	
Total Chondroitins (Enzymatic HPLC)	88.6%	97.0%
Loss on Dry	8.71%	

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: hy for MK 24 May 17 Director, David Ji: David

9.24 May



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>

Mid-West Nutrition, Inc.

925 W 6th St.

Fremont, NE 68025

Tel: (402)721-7347 Fax: (415)329-1920

Job#: 97199 Sample: Chondroitin Sulfate 90% Porcine

Lot#: CS20170310

Attn: Michele

Receive Date: 04-24-2017

Report Date: 05-10-2017

Analysis	Result (as is)	Result (dry base)
Chondroitin disaccharide 6di-4S sodium salt	48.4%	
Chondroitin disaccharide di-6S sodium salt	17.8%	
Chondroitin disaccharide 6di-0S sodium salt	8.84%	
Total Chondroitin disaccharide	75.0%	82.2%
(Equivalent to USP Chondroitin Sulfate Reference Standard)		
Chondroitin Sulfate A	57.8%	
Chondroitin Sulfate C	21.3%	
Nonsulfate chondroitin	10.6%	
Total Chondroitins (Enzymatic HPLC)	89.7%	98.3%
Loss on Dry	8.78%	

Method: ALC150A (Enzymatic-HPLC);

Chondroitin disaccharide di-0S sodium salt Sigma C3920 OIOM 1203

Chondroitin disaccharide di-4S sodium salt. Sigma C4045 OIOM 1206

Chondroitin disaccharide di-6S sodium salt. Sigma C4170 098K 1122

USP Reference Standard: ca!r" 11335 70, lotF- R039AO

Dry condition : 105 C for 4 hours.

Chemist:

fov 1 r1L

IF May 17

Director, David Ji: