

Lot# 010418-09



Certificate Of Analysis

Customer: <CUSTOMER NAME HERE>	Customer Item #: <CUST Part No.>
Customer PO #: <SET CUSTOMER PO HERE>	Ship Date: <SHIP DATE>
Description: Chondroitin Sulfate Sodium 90% Porcine	Lot #: 802170510

	<u>Standard</u>	<u>Result *</u>
<u>Physical Properties</u>		
Appearance	White to off white powder	Complies
Odor	Characteristic	Complies
Bulk Density Loose (gm/cc)	>= 0.48	Complies
Particle size thru # 14 (%)	= 100	100
Particle size thru # 200 (%)	<= 60	Complies
<u>Analytical</u>		
ChondroitinSulfateSodium CPC Assay(Dry Basis,%)	>= 90.0 <= 105.0	91.3
ChondroitinSulfateSodium EHPLC Assay(Dry Basis,%)	>= 90.0	Complies***
Identification A (FTIR)	Meets the requirements	Complies***
Loss on drying (%)	<= 10	9
pH	>= 5.5 <= 7.5	6.2
Protein (%)	<= 6.0	<6.0
Specific rotation (deg)	>= -30.0 <= -20.0	-26.1
ROI (%)	>= 20.0 <= 30.0	24.4
Chloride (%)	<= 0.50	<0.5
Sulfate (%)	<= 0.24	<0.24
Lead (ppm)	<= 0.5	Complies***
Arsenic (ppm)	<= 1.5	Complies***
Cadmium (ppm)	<= 0.5	Complies***
Mercury (ppm)	<= 0.2	Complies***
OVI	Meets the requirements	Complies
<u>Microbiological</u>		
APC (CFU/gm)	<= 1000	<1000
Yeast/mold (CFU/gm)	<= 100	<10
E. coli (CFU/gm)	Negative	Negative
Salmonella (25 gm)	Negative	Negative
<u>Storage Conditions</u>		
Manufacture date		May 19, 2017
Expiration date		May 19, 2019
Storage		Cool dry place sealed in light resistant container
Manufactured by		Plant # 802
Country of origin		China
Revision #		Rev 2 12/30/2016

Customer: <CUSTOMER NAME HERE>

Customer Item #: <CUST Part No.>

Customer PO #: <SET CUSTOMER PO HERE>

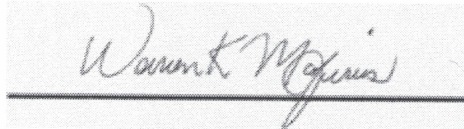
Ship Date: <SHIP DATE>

Description: Chondroitin Sulfate Sodium 90% Porcine

Lot #: 802170510

Standard

Result *



Approved By:

Date: 6/21/2018

Warren K. Majerus
VP Quality Assurance

* Test results based on information supplied by the manufacturer, unless otherwise noted.

** Based on third party testing lab results.

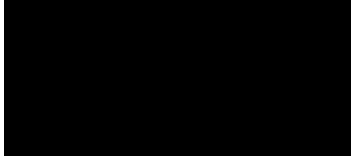
*** Based on results from Pharmore's sampling protocol.

The information contained in this certificate of analysis is believed to be accurate and is offered in good faith. Pharmore Ingredients, however, cannot assume any guarantee against natural product variations, patent infringement, liabilities or risk involved from the use of this product. Customers' assume all risk and liability with the use of this product.



Advanced Botanical Consulting & Testing, Inc.

1169 Warner Ave. Tustin, CA 92780, Phone: (714) 259-0384 Fax: (714) 259-0385



PO#: 053018/01-RG

Client Sample ID: Chondroitin Sulfate
Product #:
Lot#: 010418-09
Lab Number: 232116

Received Date: 05/31/2018

Report Date: 06/07/2018

Analyses

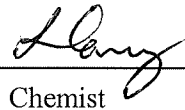
Results

Chondroitin sulfate (EH-HPLC)

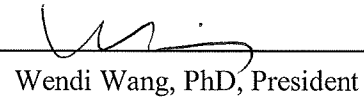
91.06 % (as is basis)

Method: ALC150A (JAOAC, 2007)

Analyzed by: _____


Chemist

Approved by: _____


Wendi Wang, PhD, President