



SILLIKER, Inc.

Illinois Laboratory

3600 Eagle Nest Drive, North Building, Crete, IL 60417

Tel. 877-777-6375 Fax. 312-729-1320

Email: getresults-sw@mxns.com

CERTIFICATE OF ANALYSIS

COA No:	CHG-44528251-0
Supersedes:	None
COA Date	3/9/21
Page 1 of 3	

TO:

Ms. Melissa Mack
 VP of Operations
 Pharmore Ingredients, Inc.
 12569 South 2700 West, Suite 201
 Riverton, UT 84065-7191

Received From:	Riverton, UT
Received Date:	2/16/21
P.O.# / ID:	25787
Location of Test: (except where noted) Crete, IL	

Analytical Results

Laboratory ID: 407754226 **Condition Rec'd:** NORMAL **Temp Rec'd (°C):** 19
Desc. 1: Chondroitin Sulfate Sodium 90% DB P
Desc. 2: 802201014
Desc. 3: DB P Dry Basis Porcine

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method Reference</u>	<u>Test Date</u>	<u>Loc.</u>
Monograph - USP			USP/NF Current Ver'n	3/9/21	BRN
Clarity and Color of Solution	0.154	-			
-	-	-			
Residual Solvents			USP/NF Current Ver'n	3/9/21	BRN
Residual Solvents - Class 1	-	-			
- 1,1,1-Trichloroethane	<1	ppm (w/w)			
- 1,1-Dichloroethene	<1	ppm (w/w)			
- 1,2-Dichloroethane	<1	ppm (w/w)			
- Benzene	<1	ppm (w/w)			
- Carbon Tetrachloride	<1	ppm (w/w)			
Residual Solvents - Class 2	-	-			
- 1,2-Dichloroethene	<1	ppm (w/w)			
- 1,2-Dimethoxyethane	<1	ppm (w/w)			
- 1,4-Dioxane	<1	ppm (w/w)			
- Acetonitrile	<50	ppm (w/w)			
- Chlorobenzene	<1	ppm (w/w)			
- Chloroform	<1	ppm (w/w)			
- Cumene	<1	ppm (w/w)			
- Cyclohexane	<1	ppm (w/w)			
- N,N-Dimethylacetamide	<20	ppm (w/w)			
- N,N-Dimethylformamide	<20	ppm (w/w)			
- 2-Ethoxyethanol	<20	ppm (w/w)			
- Ethylene glycol	<50	ppm (w/w)			
- Formamide	<20	ppm (w/w)			
- Hexane	<1	ppm (w/w)			
- Methanol	<50	ppm (w/w)			
- 2-Methoxyethanol	<20	ppm (w/w)			
- Methylbutylketone	<1	ppm (w/w)			
- Methylcyclohexane	<1	ppm (w/w)			

Results reported herein are provided "as is" and, unless otherwise indicated, are based solely upon samples as provided by client. This report may not be distributed or reproduced except in full. Client shall not at any time misrepresent the content of this report. These results are intended for use by persons having professional skill and training in the interpretation of testing results. Mérieux NutriSciences assumes no responsibility, and client hereby waives all claims against Mérieux NutriSciences, for interpretation of such results. If statements of conformity to client provided or regulatory specifications are made in this report, measurement of uncertainty has not been taken into account, except when requested by the client. While Mérieux NutriSciences reviews all results exceeding client specifications, the client is responsible for the compliance of its product and determining whether the results meet acceptance or other criteria. To the extent practicable, your company will give notice to, and consult with, Mérieux NutriSciences prior to implementing a withdrawal or recall of products based on any testing results. Except as otherwise stated, Merieux NutriSciences Terms and Conditions for Services apply.



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- Methylene Chloride	<1	ppm (w/w)			
- N-Methylpyrrolidone	<20	ppm (w/w)			
- Nitromethane	<50	ppm (w/w)			
- Pyridine	<200	ppm (w/w)			
- Sulfolane	<20	ppm (w/w)			
- Tetrahydrofuran	<1	ppm (w/w)			
- Tetralin	<1	ppm (w/w)			
- Toluene	<1	ppm (w/w)			
- Trichloroethylene	<1	ppm (w/w)			
- Xylene	<1	ppm (w/w)			
Residual Solvents - Class 3	-	-			
- 1-butanol	<100	ppm (w/w)			
- 1-pentanol	<100	ppm (w/w)			
- 1-propanol	<100	ppm (w/w)			
- 2-butanol	<100	ppm (w/w)			
- 2-methyl-1-propanol	<100	ppm (w/w)			
- 2-propanol	<100	ppm (w/w)			
- 3-methyl-1-butanol	<100	ppm (w/w)			
- Acetic acid	<100	ppm (w/w)			
- Acetone	<100	ppm (w/w)			
- Anisole	<100	ppm (w/w)			
- Butyl acetate	<100	ppm (w/w)			
- Dimethyl sulfoxide	<100	ppm (w/w)			
- Ethanol	2000	ppm (w/w)			
- Ethyl acetate	<100	ppm (w/w)			
- Ethyl ether	<100	ppm (w/w)			
- Ethyl formate	<100	ppm (w/w)			
- Formic acid	<100	ppm (w/w)			
- Heptane	<100	ppm (w/w)			

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- Isobutyl acetate	<100	ppm (w/w)			
- Isopropyl acetate	<100	ppm (w/w)			
- Methyl acetate	<100	ppm (w/w)			
- Methyleneethyl ketone	<100	ppm (w/w)			
- Methylisobutyl ketone	<100	ppm (w/w)			
- Pentane	<100	ppm (w/w)			
- Propyl acetate	<100	ppm (w/w)			
- tert-butylmethyl ether	<100	ppm (w/w)			
Comment	Not applicable -				

Steven Zbylut

Laboratory Director

Noted Test Locations: BRN-Silliker JR Laboratories, ULC, 106-8255 North Fraser Way, Burnaby, BC V3N 0B9

I Customer supplied information * ISO17025 Accredited Analysis † Indicates reason for COA amendment when applicable

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