

TODAY'S DATE: 3/9/2022

QUARANTINE items until all of the below have been satisfied.

**GENERAL INFORMATION (RECEIVING IDENTIFICATION):**

Item #:	Product Description:	Lot or Batch Number:	Vendor Name:
81700165	MSM 40 Mesh 99%	030922-01	Pharmore Ingredients
QTY Received:	Qty Damaged:	Qty Rejected:	Container Inspected by Printed Initials:
40 x 25kgs	Zero	Zero	DA 3/9/2022
Receipt Log In By: Printed Initials:	DA 3/9/2022	PACKING LIST RECEIVED?	Date sent to QC or Purchasing:
		Yes No N/A If no, use Receiving Record	3/9/2022

(1) RAW MATERIALS	X	Fill out top part of this sheet only, LINE OUT the bottom part with initials.
(2) PACKING COMPONENTS		
(3) FINISHED GOODS		

(1) PO & Shipment Correct?	Yes No
(2) CoA, CoC a Match?	Yes No
If NO, Notify buyer ASAP	Printed Initials:
Yes No N/A	DA

**Packing Component Release:**

SHIPMENT PASSED INSPECTION?	Yes No N/A	Date:
Release (Green) Sticker By (requires signature): (1)	N/A	N/A
If no, who was notified of Rejection? Or N/A	N/A	

Note: Proceed to the bottom half of this form for RAW MATERIALS OR FINISHED GOODS ITEMS ONLY.

**RAW MATERIAL/ FINISHED GOOD RELEASE:**

Comments or N/A:	FTIR, 3rd party	Print Tags for Each PKG (# of tags):	40
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Mfg. lot previously received?	Yes No N/A	Lot #:
1- STANDARD sample	Yes No N/A	N/A
2- MICROS TEST sample	Yes No N/A	
3- RETENTION sample	Yes No N/A	
4- FTIR sample	Yes No N/A	
Date / Time to QC:	Printed Initials:	Date:
3/9/2022	DA	3/9/2022

ORGANOLEPTIC / ID	Circle one	Lab Tech Initials:
(1) STANDARD MATCHES SAMPLE?	Yes No	UP
(2) TEXTURE OKAY?	Yes No	UP
(3) SMELL OKAY?	Yes No	UP
(4) FTIR OKAY?	Yes No	UP
SHIPMENT PASSED TESTS?	Yes No	UP
Attachments Needed 1) P.O. or CoA, 2) (QC techs) In-house test results to this form.		

Final Release (Green) Sticker By (Requires signature): (2)	<i>Loahis Puz</i>	Date:	3/31/22
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**Ruminants Statement:**

I have notated the Lot# on the C of A or Guaranteed Analysis and applied a "Ruminants" sticker and have attached the Test Results Form (if both are applicable) and forwarded those documents to the Buying Department.

Circle one that applies: Yes No N/A Receivers Initials After Verification: (3) *[Signature]* Date: 3/9/2022

# Certificate of Analysis

Lot # 030922-01

**Lot:** 711210702

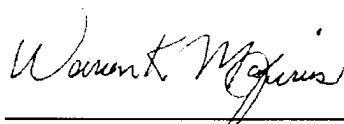
**Ship Date:** 03/02/2022

**Customer Item:** 81700165

<u>General Properties</u>	<u>Specification</u>	<u>Test Method</u>	<u>Result ‡</u>
<b>Appearance</b>	White to off-white crystalline powder	Visual	Complies
<b>Odor</b>	Characteristic low sulfur smell	Aroma	Complies
<b>Bulk density loose (gm/cc)</b>	>= 0.7	Loose fill	0.8
<b>Particle size thru # 20 (%)</b>	>= 90	Rotap 5 minutes	Complies
<b>Particle size thru # 40 (%)</b>	<= 20	Rotap 5 minutes	Complies
<b>Analytical</b>			
<b>Assay (% Dry Basis)</b>	>= 99.0	USP curr. edit.	99.6
<b>Chromatographic purity (%)</b>	>= 99.8	By calculation	100.0
<b>DMSO (%)</b>	<= 0.05	USP curr. edit.	0
<b>Total impurities (%)</b>	<= 0.2	USP curr. edit.	0.1
<b>Loss on drying (%)</b>	<= 0.2	Karl Fischer	0.2
<b>Melting point (C)</b>	>= 108.5	USP curr. edit.	108.8
<b>Lead (ppm)</b>	<= 0.5	ICP-MS	< 0.5
<b>Arsenic (ppm)</b>	<= 1.5	ICP-MS	< 1
<b>Cadmium (ppm)</b>	<= 0.5	ICP-MS	< 0.5
<b>Mercury (ppm)</b>	<= 0.2	ICP-MS	< 0.1
<b>Microbiological</b>			
<b>APC (CFU/gm)</b>	<= 1000	USP curr. edit.	< 1000
<b>Yeast/mold (CFU/gm)</b>	<= 100	USP curr. edit.	< 10
<b>E. coli (10 gm)</b>	Negative	USP curr. edit.	Negative
<b>Salmonella (10 gm)</b>	Negative	USP curr. edit.	Negative

**Additional Information**

Manufacture date 07/02/2021  
 Expiration date 07/01/2024  
 Storage condition Cool dry place sealed in light resistant container  
 Manufactured by Zhuzhou Hansen Chemical Co. Ltd.  
 Country of origin China

**Approved By:**


Warren Majerus  
 VP of Quality Assurance

**Date:** 03/02/2022

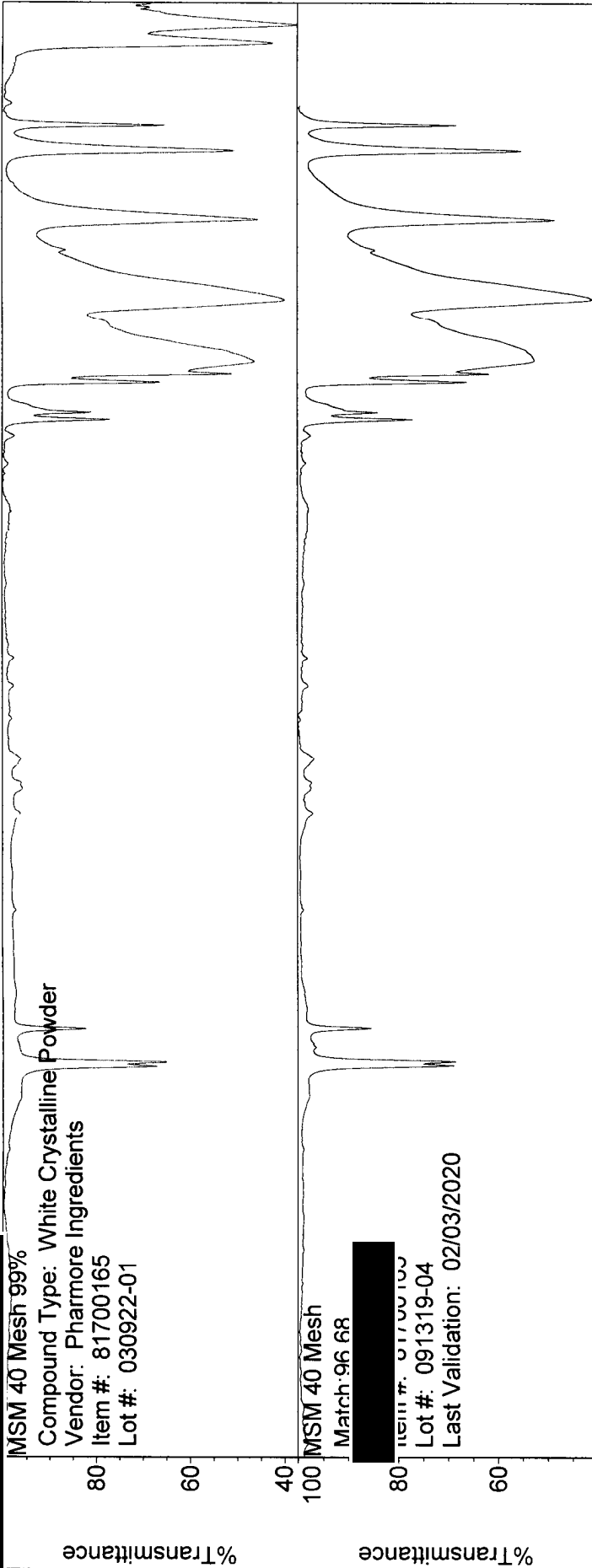
‡ Test results based on information supplied by the manufacturer, unless otherwise noted.

\*\* Based on results from Pharmore's sampling plan.

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

Sales Order: SO27560

# MSM 40 Mesh 99%



MSM 40 Mesh 99%  
 Compound Type: White Crystalline Powder  
 Vendor: Pharmore Ingredients  
 Item #: 81700165  
 Lot #: 030922-01

MSM 40 Mesh  
 Match: 96.68  
 Item #: 81700165  
 Lot #: 091319-04  
 Last Validation: 02/03/2020

Compound Type: White Crystalline Powder  
 Vendor: Pharmore Ingredients  
 Item #: 81700165  
 Lot #: 030922-01

Authorized Lab Tech, Full Name:

*Carla Ruiz*

Date: 3/10/22

Authorized QC Representative:

*[Signature]*

Date: 03/10/22

Spectrum: MSM 40 Mesh 99%  
 Region: 3995.85-649.89  
 Search type: Correlation  
 Hit List:

Index	Match	Compound name	Library
42	96.68	MSM 40 Mesh	Garmon_Standards
23	29.27	POLY(DIMETHYLSILOXANE)	Hummel Polymer Sample Library
47	28.62	POLY(STYRENE-VINYLDENE CHLORIDE)	Hummel Polymer Sample Library
46	28.49	POLY(STYRENE), ATACTIC	Hummel Polymer Sample Library
14	26.62	ABS Plastic (ATR - Ge Crystal)	User Example Library
2	24.40	Polystyrene Film	User Example Library
15	22.39	ABS Plastic (ATR Corrected)	User Example Library
9	21.18	POLY(STYRENE:4-VINYLPYRIDINE)	Hummel Polymer Sample Library
402	18.14	Glutathione 98%	Garmon_Standards
275	18.01	Glutathione 98%	Garmon_Standards



# Advanced Botanical Consulting & Testing Inc.

ABC TESTING, INC

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



**Sample Name: MSM**

**Item#** 81700165

**Lot#** 030922-01

**Lab#** 385038

**PO#** 031122-01/JC

<b>Analysis:</b>	<b>Method:</b>	<b>Result:</b>	<b>Spec:</b>
Methylsulfonylmethane (MSM) (GC) (dry basis)	SOP3.2.12	99.55 %	
Methylsulfonylmethane (MSM) (GC)	SOP3.2.12	99.47 %	≥99.0 %
Aerobic Plate Count (APC)	USP 2021	<10CFU/G	≤1,000 cfu/g
Loss on Drying (LOD) (Karl Fischer)	USP<921>	0.08 %	N/A
Yeast	USP 2021	<10CFU/G	≤100 cfu/g
Mold	USP 2021	<10CFU/G	≤100 cfu/g
E. coli	USP 2022	NEGATIVE/10G	N/A
Salmonella	USP 2022	NEGATIVE/10G	N/A



AOAC

Cannabis Analytical  
Science Program

Approved by:

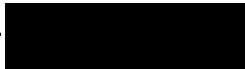
Peter Heiman, Lab Director



Product Name: MSM 40 Mesh 99% Batch Number: 030922-01  
 Part Number: 81700165 FTIR Test Attached: Pass

Specifications	Organoleptic Test Analysis	Results	Date
Type of Material	Powders	Pass	3/31/2022
Color	White Crystalline	Pass	3/31/2022
Clarity	Normal	Pass	3/31/2022
Odor	Normal	Pass	3/31/2022

Analysis	Passing Testing Limits	Testing Methods Millipore-Sigma	Test Result (population detected/ml or g)	Pass/Fail/Retest	Date
Total Plate Count (changed color)	<1000/g or ml	Simplate/UV Light	N/A	N/A	N/A
Enterobacteriaceae (changed color)	<10/g or ml	Simplate	N/A	N/A	N/A
Yeast and Mold (changed color)	≤100/g or ml	Simplate	N/A	N/A	N/A
E-Coli (glowing)	<10/g or ml	Simplate/UV Light	N/A	N/A	N/A
Salmonella (immuno-band Present)	Neg. in 25g	1-2 Test	N/A	N/A	N/A



4/1/2022  
Date:

Certificate Final Review by:

Jessica Cuellar  
Valid Signature, QC Unit

4/1/2022  
Date:

