

## CERTIFICATE OF ANALYSIS

PMC Blogenix, Inc 1231 Pope Street Memphis,TN,38108 United States

Phone 800 641 2152 Fax VAT# : 800 641 2153 : FR83 512 461 435

BRENNTAG MID SOUTH INC

2701 CHANNEL AVE

MEMPHIS, TN, 38113, United States

A/c#:18512

ATTN

Ship Date

Batch

Fax#

Customer PO Number: 685435 Sales Order Number

1469148 20-MAR-2017 **BOL Number** 

141016888

Carrier/Trailer Number

CUSTOMER ROUTED

Way Bill Number

45805

10110 Material Customer Item Code :

499809

HYSTRENE 5016 NF FOOD GRADE FLAKE/50LB OMP BG STEARIC HYSTRENE 5016 NF FG FLAKE/50LB OMP BG

MATERIAL CODE: 499809 Note

MEM-659533 Batch Qtv 2.000.00

IBS Order Oty 2.000

LBS

Characteristic		Value	Lower Limit	Upper		Method
	Unit			Limit		
* ACID NUMBER	mgKOH/g	208.90	206.00	210.00	(F)	FA1003
* ACIDITY		PASS				NF
* APPEARANCE, WHT WAXY FLAKE		PASS				VISUAL
* COLOR STANDARD BY		PASS				NF
* COLOR STANDARD Y		PASS			**	NF
* GLC C16+C18	%	99.5	90.0	100.0		FA1015
* GLC-C14	%	0.2	0.0	5.0		FA1015
* GLC-C16	%	52.4	46.0	56.0		FA1015
* GLC-C18	%	47.1	40.0	50.0		FA1015
* HEAVY METALS	%	0.0000	0.0000	0.0010		NF
IDENTIFICATION A - FREEZING POINT	Deg C	54.2	53.0	59,0		NF
* IDENTIFICATION B - ACID NUMBER	num	208.9	194.0	211.0		NF
LIDENTIFICATION C - PALMITIC ACID		PASS				NF
* IDENTIFICATION C - STEARIC ACID		PASS				NF
* IODINE VALUE	g I/100g	0.1	0.0	0.5		WM1009
LOVIBOND (5.25) RED	FL	0.00	0.00	0.10		WM1002
LOVIBOND (5.25) YELLOW	FL	0,30	0.00	1.00		WM1002
MELT POINT CLOSED TUBE	Deg C	57.3	56.0	58.0		NF
* ODOR		PASS				OLFACTORY
* ORGANIC VOLATILES		PASS				NF
* RESIDUAL SOLVENTS		PASS			MEETS REQUIREMENT	NF
* RESIDUE ON IGNITION	%	0.0000	0.0000	0.1000		NF
* SAP VALUE	mgKOH/g	209.9	207.0	211.0		FA1007 .
* TITER	Deg C	55.9	54.50	56.50		FA1005A
* TRANS @ 440 nm	%	98.7	92,0	100.0		FA1023
* TRANS @ 550 nm	%	99.9	98.0	100.0		FA1023
' UNSAPONIFIABLES	%	0.10	0.00	0.20		FA1006
* WATER	%	0.02	0.00	0.20		WM1011

Site of Manufacture: PMC Biogenix, Inc,1231 Pope Street, Memphis, TN 38108, United States CONC-BM1-778-Template-(BM1) COA Ref: BM1-152712-1

NF designation implies test method conforms to standard practice as defined by current NF at the time of production. Based on knowledge of the manufacturing process and controlled handling, shipping and storage of this material, there is no potential for Residual Solvents defined as Class 1, Class 2, or Class 3), no other organic solvents including but not limited to those listed in <467>, or current edition of the United States Pharmacopoela at the time of production are used. This material, if tested, will comply with established standards.

Manager,Lab,Quality Control

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IMPORTANT: All information provided is believed to be accurate and complete. The data provided is representative of the product quality on the date of analysis for the lot number indicated. This certificate of analysis may not include all of the constituents of the product. Persons using this information should make their own determination regarding its suitability for their particular application. This certificate of analysis shall not in any way limit or preclude the operation and effect of the applicable terms and conditions of sale.



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10110 Material 499809 Customer Item Code Note

MATERIAL CODE: 499809 MEM-659533 **Batch Qty** 

: 2,000,00

LBS Order Qty **Review Date** 

LBS 25-FEB-2019

Lower Upper

STEARIC HYSTRENE 5016 NF FG FLAKE/50LB OMP BG

Manufacture Date

Characteristic Unit Value Limit Limit Method
Complies with current requirements of the European Directorate for the Quality of Medicines (EDQM), the EMEA and FDA regulations/guidelines for TSE/BSE control. We certify that this material is manufactured from edible sources and is free from the Chick Edema factor.

Manager, Lab, Quality Control

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