

# pmc biogenix<sup>TM</sup> CERTIFICATE OF ANALYSIS

ISO 9001:2000

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PMC Biogenix Inc.  
1231 Pope Street  
Memphis, TN, 38108  
United States

Phone : 800 641 2152

Fax : 800 641 2153

Sales Order Number: 1417827

Delivery Number: 151541

Shipped Date: 28-JUL-2010

Material: 10110

Customer PO Number: 181177

Carrier/Trailer Number: NATIONWIDE

Way Bill Number: 6153

HYSTRENE 5016 NF FOOD GRADE FLAKE/50LB OMP BG

Batch: MEM-206251

Batch Qty : 8000 LBS Order Qty: 8,000 LBS


Manufacture Date: 23-JUL-2010

Review Date: 12-JUL-2012

Characteristic	Unit	Value	Lower Limit	Upper Limit	Method
* ACID NUMBER	num	207.30	206.00	210.00	FA1003
* TITER	Deg C	55.9	54.50	56.50	FA1005A
* UNSAPONIFIABLES	%	0.01	0.00	0.20	FA1006
* SAP VALUE	num	209.0	207.0	211.0	FA1007
* GLC-C14	%	0.4	0.0	5.0	FA1015
* GLC-C16	%	50.0	46.0	56.0	FA1015
* GLC C16+C18	%	99.2	90.0	100.0	FA1015
* GLC-C18	%	49.2	40.0	50.0	FA1015
* TRANS @ 440 nm	%	96.0	92.0	100.0	FA1023
* TRANS @ 550 nm	%	99.0	98.0	100.0	FA1023
* MINERAL ACID	PASS				NF
* NEUTRAL FAT	PASS				NF
* HEAVY METALS	%	0.0000	0.0000	0.0010	NF
* ORGANIC VOLATILES	PASS				NF
* RESIDUE ON IGNITION	%	0.0000	0.0000	0.1000	NF
* ODOR	PASS				OLFACTORY
* LOVIBOND (5.25) RED	PL	0.08	0.00	0.10	WM1002
* LOVIBOND (5.25) YELLOW	PL	0.80	0.00	1.00	WM1002
* IODINE VALUE	num	0.2	0.0	0.5	WM1009
* WATER	%	0.04	0.00	0.20	WM1011

Site of Manufacture: PMC Biogenix Inc., 1231 Pope Street, Memphis, TN 38108, United States

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 Pharmacopoeia at the time of production are used.

 JAMES FOWLER

Quality Control Laboratory

The recommendations for the use of our products are based on tests believed to be reliable. However, we do not guarantee the results to be obtained by others under different conditions.