

KDN-Vita International, Inc.

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CERTIFICATE OF ANALYSIS

Cetyl Myristoleate 20% Powder

Cetyl Esters of Mixed Fatty Acids (Tallow Based) on Cornstarch/SiO₂

Lot No: NJSD300105

Quantity: 10kg

TEST

Appearance

Cetyl Myristoleate (CMO) Content

(Method: AOCS Ce 1c-89 calculated by area %)

Total Cetyl Ester Content

Cornstarch Content

Silicon Dioxide Content

Loss of Drying, % wt. (Method: AOCS Ca 2c-25)

RESULT

Off-White Powder

20%

50.4%

47.6%

2.0%

3.7%

Fatty Acid Profile of the powder (Method: AOCS Ce 1c-89 calculated by area %):

< C ₁₄	2.8%
C _{14:0} (Myristic)	17.9%
C _{14:1} (Myristoleic)	20.3%
C _{16:0} (Palmitic)	1.7%
C _{18:0} (Stearic)	0.2%
C _{18:1} (Oleic)	2.0%
C _{18:2} (Linoleic)	0.2%
Others	5.3%

Metals Analysis:

Molybdenum (Mo)	< 0.1ppm
Manganese (Mn)	0.1ppm
Magnesium (Mg)	7.9ppm
Chromium (Cr)	< 0.1ppm
Calcium (Ca)	119.2ppm
Nickel (Ni)	< 0.1ppm
Iron (Fe)	28.2ppm
Copper (Cu)	< 0.1ppm
Phosphorus (P)	92.8ppm
Heavy Metals (As Pb)	< 0.1ppm
Arsenic (As)	< 0.1ppm
Cadmium (Cd)	< 0.1ppm
Mercury (Hg)	< 0.1ppm
Selenium (Se)	< 0.1ppm

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*Continued***Microbiological Results:**

Standard Plate Count	< 10cfu/gm
Yeast Count	< 10cfu/gm
Mold Count	< 10cfu/gm
Coliforms & E. Coli - Presumptive	< 3mpn/gm
S. Aureus - 2 nd Presumptive	< 10mpn/gm
Salmonella - Tecra Presumptive	Negative in 25gms

Made in USA

Date of Manufacture: May 2014

Retest Date: The product, if stored at ambient temperature and assuming normal care and handling by the customer, will not change appreciably over a six year period.

This material was manufactured in accordance with the cGMP regulations mandated by the Food & Drug Administration.

We hereby certify this is an accurate copy of the manufacturer's original Certificate of Analysis.

For: KDN-Vita International, Inc.

By:



Robert Powell

President