

Specification Sheet - Revised Nov 11/2010

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<u>Product Name :</u>	<u>Cetyl Myristoleate Complex oil-100% Mixed Cetyl Esthers as an Oil @ 28°C</u>
<u>Product Code :</u>	CFA20@/CMO20@*(oil)
<u>Product Definition:</u>	Cetyl Myristoleate Complex contains cis-9- myristoleate (fatty acid esthers)
<u>Product Composition:</u>	CFA20@/CMO20@ is a special blend of fatty acid esters
<u>Method of Analysis :</u>	Gas Chromatograph equipped with Flame Ionization Detector (FID) using 3- to 4-point calibrations
<u>Origin :</u>	United States
<u>Ingredients declaration:</u>	<u>cetyl myristoleate 40-45%</u> , other <u>cetyl esthers: 55-60%</u> : cetyl myrsistate, cetyl palmitate, cetyl laurate, cetyl palmitoleate, and cetyl Linoleate, cetyl oleate & cetyl stearate

Chemistry: Cetyl Myristoleate is the hexadecyl ester of cis-9-tetradecenoic acid, commonly known as myristoleic acid. Myristoleic acid is classified as a monoethenoid fatty acid.

Physical Characteristics: (specifications)

Acid Value ;	3-7%	Specific Gravity:	0.80-0.90
Color below melting point	White to off-white	Odor:	6% Max-Gardner
Color above melting point	Clear oil	Texture:	soft, white paste
Hydroxyl Value	20-30	Taste:	Characteristic of cetyl myristoleate
Melting Point:	25-28° C		

Heavy Metals:

	<u>Specifications</u>
Molybdenum(Mo)	<0.5ppm
Magnesium(Mg)	<50ppm
Chromium(Cr)	<1.0ppm
Calcium(Ca)	<20ppm
Nickel(Ni)	<1.0ppm
Iron(Fe)	<15ppm
Copper(Cu)	< 3ppm
Phosphorus(P)	< 400ppm
Heavy Metals, as lead	< 0.5ppm

Microbiological:

Total Plate Count:	< 100 (CFU/g)
Yeast & Mold:	< 10 (CFU/g)
E. Coli:	Negative
Salmonella:	Negative
Staphylococcus:	Negative

Stability: CMO oil is very stable under ordinary conditions of heat, light, and air.



*CFA20® is a bovine source & BSE free

Storage Conditions & shelf life:

Store in a cool, dry place, do not freeze. Shelf life is 5 yrs if stored properly and at room temperature.

Disclaimer: The information in this COA is based on information, we believe to be reliable. They are offered in good faith, but without guarantee, as conditions & methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials & suggestions on an experimental basis before adopting them on a commercial scale.

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