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Specification Sheet

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Product Name : **Cetyl Myristoleate Complex oil**
(100% Mixed Cetyl Esthers as an Oil @ 28°C)

Product Code : CFA20®/CMO20®*(oil)

Product Definition: Cetyl Myristoleate Complex contains cis-9- myristoleate (fatty acid esthers)

Product Composition: CFA20®/CMO20® is a special blend of fatty acid esters

Method of Analysis : Gas Chromatograph equipped with Flame Ionization Detector (FID) using 3- to 4-point calibrations

Origin : United States

Ingredients declaration: cetyl myristoleate 40-45%, other cetyl esthers: 55-60%: 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:	Actual Average Results	Method (USP method 231)
Molybdenum(Mo)	0.04ppm	ICP/MS
Magnesium(Mg)	37.45ppm	"
Chromium(Cr)	0.49ppm	
Calcium(Ca)	199.00ppm	
Nickel(Ni)	0.25ppm	
Iron(Fe)	6.62ppm	
Copper(Cu)	2.92ppm	
Phosphorus(P)	56.92ppm	
Heavy Metals, as lead	<0.20ppm	

Microbiological:	Specification	Method
Total Plate Count:	< 100 CFU/g	(Same as USP <2021,2022>) AOAC 966.23)
Yeast & Mold:	< 10 CFU/g	FDA-BAM 7th ed. "
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 3 yrs if stored properly

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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