

Specification Sheet Saw Palmetto Liquid Extract by C.O.2. S.C.F.E Supercritical Lipophilic Extraction

INGREDIENT SPEC #: SPO 85
 INGREDIENT NAME: Saw Palmetto Liquid Extract
 INGREDIENT CATEGORY: Liquid Oil
 GENERAL DESCRIPTION: Saw Palmetto Liquid Extract by C.O.2. S.C.F.E Supercritical Lipophilic Extraction.

COMPOSITION: Saw Palmetto Extract
 RECOMMEND LABELING: Saw Palmetto Extract (Serenoa repens)
 GUARANTEE FREE: (X) Gluten, (X) Starch, (X) Soy, (X) Yeast, (X) Dairy, (X) Seafood derivatives, (X) Artificial flavor), (X) Artificial color, (X) Preservatives, (X) Sugar, (X) Corn, (X) Beef/Chicken/Pork derivatives.

ANALYTICAL SPECIFICATION

METHOD	ORGANOLEPTIC:
Color:	Clear brown, amber to orange yellow liquid
Flavor:	Characteristic
Odor:	Characteristic
Appearance:	Liquid at warm temperature and solid at cold temperature.

PHYSICAL & CHEMICAL:

PROPERTY	LIMITS	C.O.A. REQUIRED	METHOD
Identification :	Pass	x	GC
Moisture (%):	1.0% (Maximum)	x	USP
pH:	4 - 6	x	USP
Specific Gravity:	0.890 - 0.910	x	USP
Fatty Acid (%):	85.0% (Minimum)	x	USP
Iodine Value	40- 50	x	USP
Total Phytosterols(%):	0.2% (Minimum)	x	USP
Heavy Metal (ppm):	20ppm (Maximum)	x	USP
Foreign Material:	None	x	21 CFR 110

MICROBIOLOGICAL:

Standard Plate Count:	Less than 1,000/g	x	USP
Yeast &Mold:	Less than 100/g	x	USP
E. coli:	Negative	x	USP
P.Aeruginosa	Negative	x	USP
Staph. coag. pos.:	Negative	x	USP
Salmonella :	Negative	x	USP

PACKAGING:

All containers are blanketed with inert and natural gaz to prevent oxidation. Container with moisture barriers have been sealed to protect the contents from extraneous solids, liquids, and vapors under normal conditions of handling, shipment and storage. Packaging materials will not transmit contaminants or objectionable substances to the product and conforms to all applicable food regulations. In no instance, we use staples, nails, twist ties or similar devices in containers. The containers are new and food grade. The label or labeling are of such prominence to clearly display the following product identification:

1. The product name and the name of the manufacturer and MSDS on each pallet.
2. The date of product manufacture or the production lot identity code.
3. The net weight of contents.
4. The vendor's ingredient declaration.

SHIPPING AND STORAGE: Transport of the product shall be under such conditions that will prevent contamination including development of microorganisms and will protect against undesirable deterioration of the product and the container. Product containers are stored on clean, dry pallets carefully protected from exposure to moisture, foreign odors, and other contaminants. All containers are clean, intact, and neatly stacked. No damaged containers or spillage.

STORAGE CONDITION: Cool and dry environment protected from direct light. To make a clear and liquid oil, the product should be heat to 90 degrees fahrenheit and stir prior to use.

SHELF-LIFE: 24 Month

GENERAL REQUIREMENTS :Product will be in compliance with Federal Food, Drug and Cosmetic Act as amended, all state and local regulations and specification and all local authority.



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