

## Saw Palmetto Powder Extract Minimum 45 %

INGREDIENT SPEC #:	SPP Ext 45 %
INGREDIENT NAME:	Saw Palmetto Powder Extract Standardized 45 % FFA
INGREDIENT CATEGORY:	Saw Palmetto Powder Extract Standardized Minimum 25 % FFA
GENERAL DESCRIPTION:	Fine powder light Off White to yellow powder
COMPOSITION:	Saw Palmetto C.O.2 Extract and Inert Carrier
GUARANTEE FREE:	Origin USA ( 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

	LIMITS	METHOD
Color:	Light Off White to yellow powder	Visual
Flavor:	Characteristic	Organoleptic
Odor:	Characteristic	Organoleptic
Particle size# 40 Mesh / Max 0.0185 / Inch Thru # 40	LIMITS Min 98 %	METHOD USP
Bulk Density	LIMITS	METHOD
Bulk Density	0.35-.050 g/cm3	USP

### PHYSICAL & CHEMICAL:

#### PROPERTY

	LIMITS	METHOD
Identification :	Pass	Visual
Moisture / Lost on Drying	< 6 %	AOAC
lipophilic Content	> 45.0%	AOAC
Heavy Metals	LIMITS	METHOD
Arsenic	<3ppm	ICP
Cadmium	<1ppm	ICP
Chromium	<2.5ppm	ICP
Lead	<5ppm	ICP
Total Mercury	<5ppm	ICP
Pesticide Residual:	Report	AOAC
Residual Organic Solvents	LIMITS	METHOD
Residual Organic Solvents	Report	AOCS

#### MICROBIOLOGICAL:

	LIMITS	METHOD
Standard Plate Count:	USP	USP
Yeast & Mold:	USP	USP
E. coli:	Negative	USP
Staphylococcus aureus.	Negative	USP
Salmonella :	Negative	USP
P. Aeruginosa	Negative	USP

**PACKAGING:** Container with moisture barriers that have been sealed to protect the contents from extraneous solids, liquids, and vapors under normal conditions of handling, shipment and storage.

Packaging materials and processes shall not transmit contaminants or objectionable substances to the product and shall conform to all applicable food additive regulations.

In no instance should a supplier, or his shipper, use staples, nails, metal twist ties or similar devices in the bags or container.

The containers shall not have been used or previously labeled for use with any other products.

The label or labeling on each container shall be of such prominence as to clearly display the following product identification:

1. The product name and the name of the manufacturer.
2. The date of product manufacture or the production lot identity code.
3. The net weight of contents.

**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 shall be stored on clean, dry pallets carefully protected from exposure to moisture, foreign odors, and other contaminants.

All containers shall be clean, intact and neatly stacked. No damaged containers or spillage.

#### STORAGE CONDITION:

Cool and dry storage

#### SHELF-LIFE:

24 Month in normal storage condition 48 to 60 month in controlled atmosphere condition 10-15 degrees centigrade.



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