

CIRASHINE 2442 CARNAUBA WAX

COMPOSITION:

CIRASHINE CN is composed of mono- and di-hydroxy-containing fatty alcohols having 28 to 34 carbon atoms, hydroxy acids, and their esters and polyesters. The polymeric nature of this wax results in its hardness and high melt point.

INCI Name:

Carnauba Wax

CAS Number:

8015-86-9

EINECS Number:

232-399-4

FDA Approvals:

21 CFR 184

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CIRASHINE is a registered trademark of Petroferm Inc.

Product Description and Applications

CIRASHINE 2442 is obtained from the leaves of the plant *Copernicia Cerifera*, which grows only in the northeastern regions of Brazil. The leaves are harvested, dried, boiled in water and the wax that floats to the top is skimmed and filtered. CIRASHINE 2442 is the hardest naturally occurring wax commercially available. The CIRASHINE 2442 products meet or exceed the requirements of the Food Chemical Codex IV, the JECFA/WHO, the European Pharm., 4th edition, USP 25 and DAB 10 for Carnauba Wax.

Chemical Composition

Diesters	19 - 21 %
Hydroxylated Acid Esters	53 - 55 %
Free Acids	3.0 - 3.5 %
Lactides	2.0 - 3.0 %
Alcohols	2.0 - 3.0 %
Resins	4.0 - 6.0 %
Hydrocarbons	1.5 - 3.0 %

Chemical Properties

	2442	2442 L	2442 P5
Melt Point, °C	82-86	82-86	82-86
SAP. Value, mg KOH / g	78 - 95	78 - 95	78 - 95
Acid Value, mg KOH / g	2 - 7	2 - 7	2 - 7
Flash Point, °C	310 min	310 min	310 min
Parafinic Hydrocarbons	2% max	2% max	2% max
Acetone-Soluble Resinous Matter	5% max	5% max	5% max
Iodine Value, cg Iodine/ g	7 - 14	7 - 14	7 - 14
Physical Form	Flakes	Pellets	Powder

Applications

CIRASHINE 2442 is compatible with most natural and synthetic waxes, oils, and resins. CIRASHINE 2442 may be used in Personal Care, Pharmaceutical, Food, and Industrial applications.

Storage and Handling

CIRASHINE 2442 should be stored in closed, factory sealed containers at temperatures between 50°F (10°C) and 120°F (49°C). Product has a shelf life of five years.

Please refer to the Material Safety Data Sheet (MSDS) for this product for instructions on safe and proper handling and disposal.

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