

TECHNICAL DATA SHEET*Date, 05.2023*

PRODUCT NAME : [CARNAUBA WAX T1](#)
REFERENCE : [E 409](#)
INCI NAME: Copernicia Cerifera Cera
CTFA NAME: Carnauba Wax
CAS NUMBER : 8015-86-9
EINECS NUMBER: 232-399-4

APPLICATION

Consistency agent, Film forming agent, Smoother.

CHARACTERISTICS

ANALYSIS	UNITS	SPECIFICATIONS	METHODS
Physical form		Pellets	
Odor:		Typical of Carnauba wax	Organoleptic
Colour:		Pale yellowish	Organoleptic
Solution aspect (in chloroform)		Clear	European Pharmacopeia
Melting point:	(°C)	80 - 88	European Pharmacopeia
Acid value:	(mgKOH/g)	2 - 7	European Pharmacopeia
Saponification value	(mgKOH/g)	78 - 95	European Pharmacopeia
Iodine value	(gI ₂ /100g)	7 – 14	NF T-60 203
Total ashes	(%)	max 0,25	European Pharmacopeia

PRESENTATION

Pellets in bags 25 kg net.

SHELF LIFE :

24 months minimum in cool conditions in unopened container

CARNAUBA WAX T1 (Réf: E 409)



Copernicia cerifera leaves (tree of life) Carnauba wax T1 (REF: E 409)

Applications



Pharmaceutical Industry: Used to finish medical capsules and various pharmaceutical formulas



Packaging Industry: Thanks to its insulating properties, the Carnauba Wax is widely used to manufacture cartons and foils to protect foods from water, vapours, odours and oxygen. Additional advantages for this purpose are its stability and non-toxicity. It is also tasteless and scentless .



Cleansing Products Industry: The excellent insulating properties of the Refined Carnauba Wax makes it of great use by this industry.



Aeronautic Industry: Used for covering exposed parts. Gives lasting protection and lessens surface friction allowing greater speeds.



Cosmetics Industry: Used in variety of formulations for Lipsticks, mascara, face powder, cream, lip liner.



Food Industry: Carnauba Wax is widely used to coat cheeses, sausages and fruits.



Pneumatic Industry : Carnauba Wax give tires extra-resistance and as a plasticiser to prevent sun-cracking



Printing Industry: The Carnauba wax is a main component in some types of printing ink, varnishes and additives.



Automobile Industry: Used in a variety of anti-corrosive paints applied to car's bodywork to prevent rusting.



Lumber Industry: Excellent for waterproofing laminated plywoods

Additional areas of use the Carnauba Wax

- **Polishes** - Show, Furniture, Leather, Automobile , Floor, Fruit, Candies;
- **Finishes** - Leather, Glue;
- **Cosmetics** - Creams, Lipsticks;
- **Lubricants** - Greases, Mold Release, Phonograph Records;
- **Buffing** - Wooden Ware;
- **Glazing** - Candies, Gum, Pills, Paper;
- **Inks** - Carbon Paper;
- **Protective Coatings** - Varnishes, Lacquers, Enamels Candies
- **Medicinals** - Salves, Ointments
- **Foundries** - Used to melt waxes and produce galvanized coatings
- **Lubricants** - Machine and cable greases
- **Dental floss** - It gives extra resilience.
- **Roofing Material** - Increases their durability and water-resistance
- **Miscellaneous** - Confection of ointments, Safety Matches, Ceramics, Metal Casting, Crayons, Concrete curing, Glues, Modeling compounds, Fiber Reinforced Plastics.

Carnauba Wax functions

- Surface protection;
- Hydrophobing;
- Gloss giving;
- Mold removal;
- Consistency agent;
- Dispersing;
- Adjusting drop points.