

# Company Profile

# Noble Applications of Carnauba

**B.J. International** was established in **1984** by Mr. Bharat Vaghani. We initially started as a small trading company mainly engaged in imports of spices. Over the years, we have successfully diversified our product catalogue to include waxes, chemicals, spices, and pulses.

B.J. International is one of the leading importers of waxes in India. Our annual turnover in wax imports exceeds **1000** tons. Our waxes are mainly sourced from Brazil, Holland, USA, and China.

We are the **sole distributors/agents** all over India for **Foncepi**, which is the largest manufacturer of Carnauba Wax in Brazil.

Our business is bifurcated into Imports and Exports.

Imports consist of : **Waxes (Carnauba, Microcrystalline, Paraffin, Monton), Spices, and Pulses.**

Our exports consist of : **Spices.**

### Our Strength:

- 1) **Employees**
- 2) **Loyal Customers**
- 3) **In depth Market analysis and research, Market information**
- 4) **Logistics**
- 5) **Financial Strength**
- 6) **Stocks in season and off season**
- 7) **Broker Network**
- 8) **Strong supplier tie-ups**

### About Foncepi:

Foncepi Commercial exportadora Ltda is in the Carnauba Wax market since **1922**. Foncepi waxes meet or exceed the requirement of the foods Chemical Codex IV, the JECFA/WHO, and the European Pharm; USP 30 for Carnauba Wax.

Foncepi enjoys a very high standing in the Carnauba Wax market today, where it is considered one of the most organized, modern and efficient company. Foncepi has the structure to produce and furnish the market with any kind of carnauba Wax taken directly from nature to the industry.

Foncepi has already certified its plant as organic in June 2007 and is able to offer new and exclusive bio product line. As a validation of its quality, Foncepi is **ISO 9001** and **ISO 22000** certified.



Pharmaceutical Industry



Packaging Industry



Cleansing Products Industry



Aeronautic Industry



Cosmetics Industry:



Food Industry



Pneumatic Industry



Printing Industry



Automobile Industry



Lumber Industry:

## Carnauba Wax Application

- 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, Seramics, MetalCasting, Crayons, Concrete Curing, Glues, Modelling Compounds, Fiber Reinforced Plastics.

## Carnauba Wax Functions

- Surface Protection;
- Glossgiving;
- Adjust Consistency;
- Dispersing;
- Hydrophobing;
- Mold Realizing;
- Emulsifying;
- Adjusting Drop Points.

## Carnauba Wax Comparative Advantages

- GMO Free;
- Organic;
- BSE/TSE Free.
- Pesticide Free;
- Biodegradable;

**CARNAUBA WAX DOES NOT CONTAIN ANY MATERIAL HAZARDOUS NOR TOXIC**



**BJI B. J. INTERNATIONAL**

302, Navjivan bldg, 121/127 Kazi Sayyed Street, Mumbai. 400 003  
Phone: +91 22 23444403 Fax : +91 22 23421142  
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**B. J. INTERNATIONAL**

**Foncepi Carnauba Wax**



**FONCEPI**

Contact Us for More Information :



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**FONCEPI**

The First and unique Carnauba Wax  
Organic Certified worldwide !



## Filtered Prime Yellow - Type 01

Origin	: Olho's Powder
Melting Point	: 80° C - 86° C
Moisture	: 0,50% MAX
Saponification	: 78-88 mg KOH/g
Acid Number	: 02-06 mg NaOH/g MAX
Residue on Ignition	: 0,25% MAX
Color	: Golden Yellow

### Certificate of Analysis for Carnauba Wax Type 1 Filtered

Sample Collected	Place of Collection	Foncepi Ref N°	Production Code	
2 Kg	Foncepi's Laboratory	0094/10	P1-105030	
Sr. No.	ANALYSIS	METHODS	SPECIFICATIONS	REFERENCE
			T-1	
01	Moisture	Foncepi	1-0% max	Foncepi
02	Melting Range	USP XXX<741>p.305	80 – 86 °C	USP XXX-class II p. 1244
03	Insoluble Impurities	Focnepi	0.20% max	Foncepi
04	Volatile Matter at 175°C (including moisture)	Focnepi	1.0% max	Foncepi
05	Acid Value	ASTM D 1386-98	02 – 07 mg KOH/g	USP XXX-class p. 1244
06	Saponification Value	ASTM D 1387-89	78 – 95 mg KOH/g	USP XXX-class p. 1244
07	Ester Value	USP XXX <401>p.158	71 – 88 mg KOH/g	FOOD Chemicals codex 4th ED p.80
08	Residue On Ignition	USP XXX <281>p.150	0.25% max	USP XXX-class p. 1244
09	Heavy Metals	USP XXX method II <231>p.146	20 ug/g max	USP XXX-class p. 1244
10	Color	ASTM D 1544-98 adapted	3,0 +/- 1,0 Gardner Scale	Foncepi
11	Peroxide Value	EUR PH. 5th Ed. (2.5.5;method A) p.128	15,0 max	Foncepi



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## Filtered Fatty Grey - Type 04

Origin	: Straw's Powder - Fatty wax
Melting Point	: 80° C - 86° C
Moisture	: 0,50% MAX
Saponification	: 78-88 mg KOH/g
Acid Number	: 04-10 mg NaOH/g MAX
Residue on Ignition	: 0,25% MAX
Color	: Black

## Certificate of Analysis for Carnauba Wax Type 4 Filtered

Sample Collected	Place of Collection	Foncepi Ref N°	Production Code	
2 Kg	Foncepi's Laboratory	0094/10	P1-105030	
Sr .No.	ANALYSIS	METHODS	SPECIFICATIONS	REFERENCE
01	Moisture	Foncepi	T-4 1-0% max	Foncepi
02	Melting Range	USP XXX<741>p.305	80 – 86 °C	USP XXX-class II p. 1244
03	Insoluble Impurities	Focnepi	0.50% max	Foncepi
04	Volatile Matter at 175°C (including moisture)	Focnepi	1.0% max	Foncepi
05	Acid Value	ASTM D 1386-98	02 – 07 mg KOH/g	USP XXX-class p. 1244
06	Saponification Value	ASTM D 1387-89	78 – 95 mg KOH/g	USP XXX-class p. 1244
07	Ester Value	USP XXX <401>p.158	71 – 88 mg KOH/g	FOOD Chemicals codex 4th ED p.80
08	Residue On Ignition	USP XXX <281>p.150	0.25% max	USP XXX-class p. 1244
09	Heavy Metals	USP XXX method II <231>p.146	20 ug/g max	USP XXX-class p. 1244
10	Color	ASTM D 1544-98 adapted	_____	Foncepi
11	Peroxide Value	EUR PH. 5th Ed. (2.5.5;method A) p.128	_____	Foncepi



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## Refined Light Fatty - Type 03

Origin: Straw's Powder	:	Fatty wax
Melting Range	:	80° C - 86° C
Moisture	:	0,50% MAX
Saponification	:	78-88 mg KOH/g
Acid Number	:	04-10 mg NaOH/g MAX
Residue on Ignition	:	0,25% MAX
Color	:	Orange Yellow

### Certificate of Analysis for Carnauba Wax Type 3 Filtered

Sample Collected		Place of Collection	Foncepi Ref No	Production Code
2 Kg		Foncepi's Laboratory	0094/10	P1-105030
Sr. No.	ANALYSIS	METHODS	SPECIFICATIONS	REFERENCE
			T-3	
01	Moisture	Foncepi	1-0% max	Foncepi
02	Melting Range	USP XXX<741>p.305	80 – 86 °C	USP XXX-class II p. 1244
03	Insoluble Impurities	Foncepi	0.20% max	Foncepi
04	Volatile Matter at 175°C (including moisture)	Foncepi	1.0% max	Foncepi
05	Acid Value	ASTM D 1386-98	02 – 07 mg KOH/g	USP XXX-class p. 1244
06	Saponification Value	ASTM D 1387-89	78 – 95 mg KOH/g	USP XXX-class p. 1244
07	Ester Value	USP XXX <401>p.158	71 – 88 mg KOH/g	FOOD Chemicals codex 4th ED p.80
08	Residue On Ignition	USP XXX <281>p.150	0.25% max	USP XXX-class p. 1244
09	Heavy Metals	USP XXX method II <231>p.146	20 ug/g max	USP XXX-class p. 1244
10	Color	ASTM D 1544-98 adapted	8,0 +/- 1,0 Gardner Scale	Foncepi
11	Peroxide Value	EUR PH. 5th Ed. (2.5.5;method A) p.128	15,0 max	Foncepi



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# Refined Light Fatty - Type 03

## Main Applications :

**Toner Inks:** Carnauba wax is applied as a toner additive aside their the other components like Resin Oil, Water Solvent, Coloring agent Mainly to help improving the dispersions of resins used in the toner, to increase the glass transition temperature Tg of the Toner so that plasticization and blocking are avoided . The Glass transition increase from 30 to 60 C if Carnauba wax is applied.

**Thermal Transfer Ribbons:** Main component of wax emulsion that provides a thermal activated (responsive to heat) coating on a ribbon that is completely transferred and ductility is a from base of the ribbon onto the paper or document.

**Investment Casting :** Carnauba Wax is in spite of its of contraction capability, malleability and ductility is an important additive for a very efficient performance molding process.

**Fruit and Vegetables Coating :** Wax emulsion based on carnauba creates a film protective coating surface at fruits and vegetable, providing a brilliant finishing at the products extremely nice appearance , increase product shelf life hindering in a very efficient manner their dehydration and gases transfer (oxygen) and carbon dioxide<sup>0</sup> retarding the ripening process and lost of weight.

**Floor Polishes :** Carnauba wax application, to preserve wood floors providing a protective coating and an excellent shine, luster appearance the wax application inhibits air and moisture penetration, thus increasing the material life and preventing the surface wear by abrasion and scratching.

**Antique Furniture Polishing :** Mixture of carnauba and beeswax to keep the value and condition of the antique furniture.

**Crayons:** Waxes can reach up to 60% of crayons formulation carnauba wax is a non toxic product it is highly recommended since the main users are children Carnauba wax bring to crayon formulations: consistency paper sticking and silding capacity.

# Filtered Prime Yellow - Type 01

## Main Applications :

**Paper coating** : Carnauba wax is the part of wax emulsions for hydrophobation, gloss, humidity and grease resistance, sealing and insulation properties, approved for food packaging

**Car wax** : is applied to edible the lustrous and protective coating for car surface and painting. Carnauba's high heat tolerance its ability to produce an unmistakeable shine with incredible depth, that synthetic waxes just can't match and a long lasting finish from 6 to 8 weeks is due to the unique hardness of wax

**Confectionary Coating** : Carnauba Wax in powder as glazing , polishing and anti sticking agent for hard candies, chocolate bean, soft candies as well as chewing gums its coat improves appearance brilliance and resistance with reduced moisture absorption. it can also be applied to adjust the gum base hardness

**Cosmetics** : Mainly used for lipsticks, its unique hardness and high melting point are the main advantages of carnauba wax, giving consistency and resistance for the higher tempratures of lipsticks basis, it can be also used at other cosmetics formulation like eyeliner eye show, lip liner, it also used as film forging protection in creams and balms

**Cheese Coating** : Food approved carnauba wax at can be part of formulations for cheese coating as a surface protection

**Dental Floss** : For giving the glossy finish and helps floss glide easily between teeth

**Pharmaceutical** : to coat oral capsules and pills, offering a good luster without rubbing improving appearance , sliding properties and simultaneously providing protection against humidity

**Eletronic Industry** : as addivte for epoxy molding compounds, mold release agent, encpsulating additive in electronic components such as intergrated circuits, ic clips with excellent electrical properties and cost saving advantage

# Filtered Fatty Grey - Type 04

## **Main Applications :**

Carbon Paper: Carnauba wax is very important for carbon paper manufacturing since the carbon black adheres to the paper with the help of carnauba wax, also enable keeping the ink in solid state and handling the coated paper with cleanlines . waxes can reach up to 40% of carbon paper

Shoe polishes: carnauba wax is used in formulations of solid, creamy polishes and liquid polishes (self shine polishes) functions of carnauba wax is this formulation leather preservation, improve waterproof properties, best obtainable shoe shine, easy and clean application