

SPECIFICATIONS

PRODUCT NAME	Candelilla Wax Refined 7833 Pellets
PRODUCT CODE	CCAN

CHARACTERISTICS	LIMITS			METHOD
	Min.	Typical	Max.	
Melting Point (°C)	69		73	USP 741 CLASE II
Acid Number (mg KOH/g)	12		22	USP 401
Saponification (mg KOH/g)	43		63	USP 401
Ester Number (mg KOH/g)	31		43	USP 401
Penetration (dmm) *Typical Value 0	0		2	ASTM D-1321
Color	Brown			VISUAL

The values of typical characteristics given in the table are average values given for information purposes only and do not constitute a guarantee. These values are subject to change without notice.

I.- Family Description.

Candelilla Wax Refined 7833 Pellets is a high purity wax made from the wild Candelilla plant (Euphorbia Cerifera). Typical chemical composition of wax : high hydrocarbon content (linear n-alkanes, mainly hentriacontane, C31, around 50-57%) and a low amount of volatile compounds (short carbon chain n-alkanes, ketones, aldehydes, aromatic alcohols). Its resin content can be between 12-15% by weight, which contributes to its adhesive properties. Candelilla Wax Refined 7833 Pellets also has protective, plasticizing properties, high chemical stability, high melting point, impermeability, dielectric properties and gloss.

II.- Product Description.

Candelilla Wax Refined 7833 Pellets is a candelilla wax that has undergone a filtering process, which differs from the others for presenting a brown color as a typical value. Like carnauba wax, it is highly recognized for its high hardness with resistance to wear and tear, but unlike this, it has a better performance in terms of imparting a moisture barrier, due to the high content of hydrocarbons it contains.

It has a composition based mainly on: Hydrocarbons (50-57%), Esters (28-29%), Alcohols, Estoles and Resins (12-14%) and Free Acids (7-9%). Candelilla Wax Refined 7833 Pellets is recognized by the United States Food and Drug Administration (FDA), as a safe natural substance - GRAS, Generally Recognized As Safe - for its application in the food industry, thanks to its vegetable origin and the unique properties, protection, and consistency it imparts.

III.- Main Applications.

Sector	Performance
Gum base	Good plastic and oil retention properties, that contribute to gum consistency and flavor retention.
Precision foundry	Adequate expansion/contraction coefficient, for a precise reproduction of every detail. Provide malleability and ductility, efficiently facilitating the molding process. Present low values of ash content.
Inks	Protection against humidity and improved sliding capacity
Fruit coating	Retards ripening and aging, prevents dehydration, and provides a brilliant finishing
Leather finishing	Gives shine improving the appearance of the leather. It imparts the moisture barrier property, lengthening the life of the leather.

IV.- Compatibility.

Candelilla Wax Refined 7833 Pellets is compatible with a wide variety of waxes, and thus it can be blended with: All vegetable and animal waxes – Mineral waxes such as montan wax, paraffin and microcrystalline – Fatty acids and hydrogenated waxes – Synthetic waxes such as polyethylene, oxidized polyethylene, polypropylene, esters - Homopolymers such as low density polyethylene – Copolymers such as ethylene-vinyl-acetates (EVA) – Natural resins such as tar and shellac.

V.- Presentation and Handling.

- Candelilla Wax Refined 7833 Pellets is available in pastilles presentation and is packed in 25 kg bags.
- Its handling does not require special conditions or precautions.
- The color tonality of the solid material can vary.
- Due to the nature of the material the intensity of the characteristic odor may vary.

VI.- Global Regulatory Status.

This product does not contain any PORK, ANIMAL, NOR WINE DERIVATIVES; it is certified by HALAL ISLAMIC LAWS VEGAN Certification; 100% EARTH GROWN

NATURAL without any additive

Gluten Free Certification

Kosher Pareve Certification

Additional Information

Applicable regulation:

- 21 CFR Sec.184.1976
- Prop. 65: Raw materials are not listed as substances that cause cancer or birth defects or other reproductive harm.
- Complies with the Japan's Specifications and Standards for Food Additives, (JSFA, 9th Edition).
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Disclaimer:

- The product can be used only for the main applications as specified hereabove.
- Is the customer's responsibility to inspect and test our products in order to assure the stability of them for the customer's particular purpose.
- The USP method mentioned in the physicochemical properties corresponds only to the method of analysis carried out, and not to the specifications defined by Ceras Martí.



BEE SWAX
SOY WAX
RAPESEED WAX
PARAFFINS
MICROCRYSTALLINE
STEARIC ACID

PALM WAX
CARNAUBA WAX
CANDELILLA WAX
NATURAL GUMS
WAX EMULSIONS
LANOLIN

USA:

21 CFR PART 700, 21 CFR 250.250. Not listed as prohibited and restricted substance in cosmetics.

FDA approved, GRAS for food applications under regulations 175.105, 175.320, 176.180, 184.1976. Complies with the Food Chemicals Codex, 5th Edition (FCC).

Europe:

Listed as additive E902 (REGULATION (EC) No 1333/2008).

REGULATION (EC) No 1223/2009, Annex II and III. Not listed as prohibited and restricted substances.

Japan:

Standards for Cosmetics (Ministry of Health and Welfare Notification No.331 of 2000). Not listed as prohibited and restricted substance in cosmetics.

Complies with the Japan's Specifications and Standards for Food Additives, (JSFA, 7th Edition).

China:

Inventory of Existing Cosmetic Ingredients in China (IECIC 2015) of CFDA. Listed for use in cosmetics.

Canada:

Cosmetic Ingredient Hotlist (2015) of Health Canada. Not listed as prohibited and restricted substance in cosmetics.

Additional Information:

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INCI NAME: Euphorbia Cerifera (Candelilla) Wax.