


## 1 – Product Identification

Product name	LUVOCARE® WAX CARNAUBA T1 FLAKES
INCI Name	Copernica Cerifera Cera
General product information	<p>The Carnauba Wax is a natural wax that covers the lower leaves and buds of a particular species of Palm, known under the name of Copernica Cerifera, original of North Brasil.</p> <p>The function of this wax in nature is the one of preventing the excessive water evaporation from the plant.</p> <p>The leaves are cut and dried to support the hardening of this wax, produced in the quality of about 7 Kg per plant.</p> <p>The wax, melted into water, is subsequently purified from the impurities and conserved in the shape of lumps.</p> <p>The Carnauba wax appears at the end of the process as a wax having a yellow colour and characteristic odour. It has got a certain amount of resinous substances. Quality and colour can significantly vary with the leaves age: the youngest ones provide the "prime grade" wax.</p> <p>Its composition is made up mainly by esters from normal primary aliphatic alcohols and aliphatic acids, having a high molecular weight with preponderance of miricylic ester of the cerotic acid, a small quantity of other substances, among which free cerotic acid, traces of lactone that warmed with soda lime provides a saturated carbon acid. Besides phytosterols, pigments, minerals salts and humidity are contained.</p> <p>It appears as a yellow or light yellow powder, in flakes or waxy solid, practically insoluble in water and in alcohols, soluble at warm in ethyl acetate and xylene.</p>
Applications	<p>The Carnauba wax appears as a rigid wax having a high melting point.</p> <p>It is endowed with remarkable polish properties and for this reason is particularly recommended for make-up applications.</p> <p>The Carnauba T1 in particular represents the carnauba wax of the kind "prime grade", having a high valuable quality.</p> 

# COSMETICS

## 2 – Analytical Specification

	Units	Standard Value
Appearance	-	Waxy solid, in flakes
Colour	-	Light yellow
Melting Point	°C	80 - 88
Acidity Number	mgKOH/g	2 – 7
Saponification Number	mgKOH/g	78 - 95
Ester Value	mgKOH/g	71 - 88

## 3 – Handling

Storage	Store in the original well closed containers, at room temperature (25°C ca), in a cold and dry place, repaired from light, heat and humidity sources
Shelf-life	24 months from the production date, in the original sealed package, stored in agreement with the storage conditions reported above.

## 4 - Disclaimer

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Lehmann&Voss &Co. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein described materials or processes in violation of existing or future patents.



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