



Date created: 12/06/2017

Revised: 09/08/2017 Rev2

PRODUCT DATA SHEET
REFINED CANDELILLA WAX (PHC 7454)

Product Overview & Composition

INCI: Euphorbia Cerifera (Candelilla) Cera

CAS: 8006-44-8

EINECS: 232-347-0

Exuded from the leaves of Euphorbia Cerifera shrub as a means to reduce evaporation, Refined Candelilla Wax 7454 originates exclusively from North Mexico. A mixture of approximately 50% C29-C33 (mainly C31) hydrocarbons, Esters, free fatty acids, free fatty alcohols, and resins. A hard, high melt point natural wax with excellent oil binding properties. Improves firmness, texture, temperature stability, mould release and surface gloss.

Specification & Approvals

Parameter	Limits
Appearance*	Orange/yellow pellets
Solubility*	Insoluble in water, soluble in chloroform and toluene
Specific Gravity (g/cm3)*	~0.98
Congeaing Point (°C)	65-70
Melting Point (°C)	69-73
Acid Value (mg KOH)	12-22
Ester Value (mg KOH)	31-43
Saponification Value (mg KOH)	43-63
Gardner Colour	9-12

*Indication only, not stated on Certificate of Analysis

Meets the requirements of the current E902 specification.

This product is supplied in accordance with the parameters specified on the stated specification(s) only. Any additional product requirements must be clearly specified. We do not accept liability for conformity to additional unspecified requirements outside of those stated in the product specification(s). In the event that other product requirements exist, specific arrangements must be made to confirm compliance, and a written agreement must be put in place in this regard.

REACH

Refined Candelilla Wax 7454 is currently exempt from registration according to current REACH regulations (Annex V).

Use

Chemical, Cosmetic, Food, Industrial, Personal Care and Pharmaceutical as a raw material for further processing.

Animal Testing

Refined Candelilla Wax 7454 is not tested on animals, and complies with cosmetic regulations 2009/1223/EC and 2000/41/EC in this regard.

Poth Hille & Co do not commission animal testing of any products or raw materials.

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BSE/TSE Free

Refined Candelilla Wax 7454 is composed entirely from materials of vegetable origin and is free from animal derived materials of bovine, ovine and caprine origin. Refined Candelilla Wax 7454 does not contain or come in contact with any such materials during manufacture, handling or storage, and as such this material can be declared free of Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE).

CMR & California Proposition 65

Refined Candelilla Wax 7454 is not listed as Carcinogenic, Mutagenic or Toxic to Reproduction according to 1272/2008/EC (Annex V, part 3) and its modifications (790/2009/EC, 286/2011/EC). Refined Candelilla Wax 7454 does not contain any chemicals listed on the California Proposition 65. This product is not stored in, nor does it come in contact with the substances listed in these regulations.

Free from nanoparticles

Refined Candelilla Wax 7454 does not contain or come in contact with nanoparticles during manufacture, handling or storage. Therefore nanoparticles are not expected to be present in Refined Candelilla Wax 7454.

Metal Residues

Refined Candelilla Wax 7454 is not manufactured using any metal catalysts or metal reagents, therefore Metal Catalyst or Metal Reagent Residues are not expected to be present.

Non-GMO

Refined Candelilla Wax 7454 does not contain or come in contact with Genetically Modified Organisms during manufacture, handling or storage. Therefore Refined Candelilla Wax 7454 is expected to be GMO free.

Origin

Refined Candelilla Wax 7454 is of natural origin and is manufactured in Mexico.

Shelf life and storage

Shelf Life: 36 months from date of manufacture

Storage: Cool, dry, out of direct sunlight and remain sealed where possible.

SVHC (Substances of Very High Concern)

Refined Candelilla Wax 7454 does not contain any substance specified on the Candidate List of Substances of Very High Concern at concentrations greater than 0.1% w/w, as included in current REACH regulations.

VOCs

To the best of our knowledge Refined Candelilla Wax 7454 does not contain or come in contact with VOC's during manufacture, handling or storage, and as such VOC's are not expected to be present.

Allergens

With reference to Directive 2003/15/EC (Amendment N°7 to the cosmetics directive 76/768/EC-Annex III, Part I), we hereby can confirm that to the best of our knowledge, the composition of this product is in compliance with the below listed allergenic products:

Allergens (GC-MS according to the directive 2003/15/CE)	N° CAS	Annex III Part I N° Réf	The presence of the substance must be indicated in the list of ingredients referred to in Art 6 (1)(g) when its concentration in final products exceeds	Level	Unit
Anise alcohol	105-13-5	80	<ul style="list-style-type: none"> 10 ppm in leave-on products 100 ppm in rinse-off products 	<10 ppm <100 ppm	ppm
Amyl cinnamal	122-40-7	67	same	same	ppm
Amylcinnamyl alcohol	101-85-9	74	same	same	ppm
Alpha-isomethyl ionone	127-51-5	90	same	same	ppm
Benzyl alcohol	100-51-6	68	same	same	ppm
Benzyl benzoate	120-51-4	85	same	same	ppm
Benzyl cinnamate	103-41-3	81	same	same	ppm
Benzyl salicylate	118-58-1	75	same	same	ppm
Butylphenyl Methylpropional	80-54-6	83	same	same	ppm
Cinnamal	104-55-2	76	same	same	ppm
Cinnamyl alcohol	104-54-1	69	same	same	ppm
Citral	5392-40-5	70	same	same	ppm
Citronellol	106-22-9	86	same	same	ppm
Coumarin	91-64-5	77	same	same	ppm
Eugenol	97-53-0	71	same	same	ppm
Evernia furfuracea (treemoss) extract	90028-67-4	92	same	same	ppm
Evernia prunastri (oakmoss) extract	90028-68-5	91	same	same	ppm
Farnesol	4602-84-0	82	Same	same	ppm
Geraniol	106-24-1	78	same	same	ppm
Hexyl cinnamal	101-86-0	87	same	same	ppm
Hydroxycitronellal	107-75-5	72	same	same	ppm
Hydroxyisohexyl 3- cyclohexene carboxaldehyde	31906-04-4	79	same	same	ppm
Isoeugenol	97-54-1	73	same	same	ppm
Limonène	5989-27-5	88	same	same	ppm
Linalool	78-70-6	84	same	same	ppm
Methyl 2-octynoate	111-12-6	89	same	same	ppm

(1) Maximum level of quantification

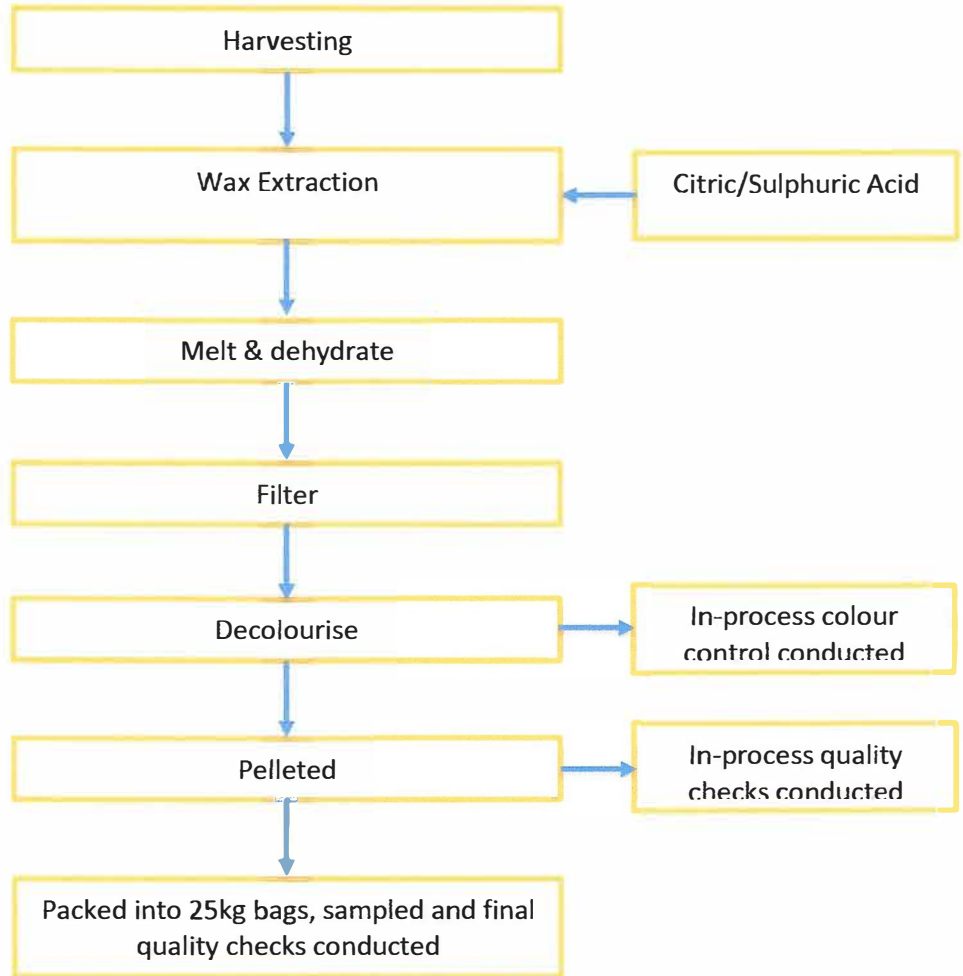
(2) Guaranteed Maximum Level



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Production overview



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