

SUMMARY TABLE
SPECIFICATIONS AND AUTHORISATION OF WAXES AT THE EU, JECFA, AND EUROPEAN PHARMACOPOEIA

NAME	INSTITUTION	NUMBER	OTHER NAMES	DEFINITION /SPECIFICATIONS	AUTHORIZATION / PUBLICATION
Beeswax	EC*-Food Additive	E 901 EINECS: 232-383-7	Yellow wax White wax	Obtained from honey comb. Obtained from bleaching the yellow wax.	Use & applications: Directive 95/2/EC, as amended (consolidated text) Purity criteria: Directive 96/77/EC, as amended (consolidated text)
	JECFA**-Food Additive	INS 901 CAS: 8006-40-4 (yellow) and CAS: 8012-89-3 (white)	Yellow Wax White Wax	Same as per EC. Also, mixture of esters of fatty acids and fatty alcohol's, hydrocarbons, free fatty acids and free fatty alcohol's.	Compendium on Food Additives Specifications; Addendum 1, FAO Food and Nutrition Paper 52 (1992)
	EC-Food Contact Additive	PM Ref No 36880 CAS: 8012-89-3	None	None; EC food additive status applies.	As additive in plastics: Directive 2002/72/EC As coating additive in coated regenerated cellulose film: Directive 93/10/EC as amended (consolidated text)
	EDQM***	Monograph No 70 Monograph No 69	Yellow beeswax Cera flava White beeswax Cera alba	Obtained by melting the walls of the honeycomb made by the honey bee, <i>Apis mellifera L.</i> , with hot water and removing foreign matter. Obtained by bleaching yellow beeswax	European Pharmacopoeia

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Candelilla Wax	EC-Food Additive	E 902 EINECS: 232-347-0	None	Purified from candelilla plant leaves.	Use & applications: Directive 95/2/EC, as amended (consolidated text) Purity criteria: Directive 96/77/EC, as amended (consolidated text)
	JECFA-Food Additive	INS 902 CAS: 8006-44-8	None	Same as per EC. Also, mixture of hydrocarbons with odd number straight chains C29-C33, esters and alcohols with even number chains C28-C34, free acids, free alcohols, sterols, resins, minerals.	Compendium on Food Additives Specifications; Addendum 1, FAO Food and Nutrition Paper 52 (1992)
	EC-Food Contact Additive	PM Ref No 41760 CAS: 8006-44-8	None	None; EC food additive status applies.	As additive in plastics: Directive 2002/72/EC As coating additive in coated regenerated cellulose film: Directive 93/10/EC as amended (consolidated text)

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Carnauba Wax	EC-Food Additive	E 903 EINECS: 232-399-4	None	Purified from leaf buds and leaves of Brazilian wax palm.	Use & applications: Directive 95/2/EC, as amended (consolidated text) Purity criteria: Directive 96/77/EC, as amended (consolidated text)
	JECFA-Food Additive	INS 903 CAS: 8015-86-9	None	Same as per EC. Also mixture of aliphatic esters, hydroxy esters, aliphatic diesters, free acids, free alcohols, hydrocarbons, resins.	Compendium on Food Additives Specifications; Addendum 3, FAO Food and Nutrition Paper 52 (1992)
	EC-Food Contact Additive	PM Ref No 42720 CAS: 8015-86-9	None	None; EC food additive status applies.	As additive in plastics: Directive 2002/72/EC As coating additive in coated regenerated cellulose film: Directive 93/10/EC as amended (consolidated text)
	EDQM	Monograph No 597	Cera Carnauba	The purified wax obtained from the leaves of <i>Copernicia cerifera Mart.</i>	European Pharmacopoeia

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Microcrystalline Wax	EC-Food Additive	E 905	Petroleum Wax	Refined mixture of solid, saturated hydrocarbons, mainly branched paraffin obtained from petroleum. Visc > 11 25C-atoms < 5% Av. MW > 500	Use & applications: Directive 95/2/EC, as amended (consolidated text) Purity criteria: Directive 96/77/EC, as amended (consolidated text)
	EC-Food Contact Additive	PM Ref # 95859		Waxes, refined, derived from petroleum based or synthetic hydrocarbon feedstocks Visc > 11 25C-atoms < 5% Av MW > 500	As additive in plastics: Directive 2002/72/EC As coating additive in coated regenerated cellulose film: Directive 93/10/EC as amended (consolidated text)
	JECFA-Food Additive	INS 905 (c)	None	Same as EC.	Compendium on Food Additives Specifications; Addendum 8, FAO Food and Nutrition Paper 52 (2000)

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Montan Acid Esters	EC-Food Additive	E 912	None	Montan acids and/or esters with ethylene glycol and/or 1,3-butanediol and/or glycerol	Use & applications: Directive 95/2/EC, as amended (consolidated text) Purity criteria: Directive 96/77/EC, as amended (consolidated text)
	EC-Food Contact Additive	PM Ref No 67840	None	Montanic acids and/or their esters with ethylene glycol and/or with 1,3-butanediol and/or with glycerol	As additive in plastics: Directive 2002/72/EC
PM Ref No 67850		None	Montan wax	As coating additive in coated regenerated cellulose film: Directive 93/10/EC as amended (consolidated text)	

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Oxidised Polyethylene Wax	EC-Food Additive	E 914	None	Polar reaction products from mild oxidation of polyethylene	Use & applications: Directive 95/2/EC, as amended (consolidated text) Purity criteria: Directive 96/77/EC, as amended (consolidated text)

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Paraffin, Hard	EDQM	Monograph No 1034	Paraffinum solidum	Purified mixture of solid saturated hydrocarbons generally obtained from petroleum. It may contain a suitable oxidant.	European Pharmacopoeia

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Paraffin, Light Liquid	EDQM	Monograph No 240	Paraffinum perliquidum	Purified mixture of liquid saturated hydrocarbons obtained from petroleum	European Pharmacopoeia

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Paraffin, Liquid	EDQM	Monograph No 239	Paraffinum liquidum	Purified mixture of liquid saturated hydrocarbons obtained from petroleum	European Pharmacopoeia

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Paraffin, Yellow Soft	EDQM	Monograph No 1554	Vaselineum flavum, (Petrolatum flavum)	Purified mixture of semi-solid hydrocarbons, obtained from petroleum. It may contain a suitable antioxidant.	European Pharmacopoeia

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Paraffin, White Soft	JECFA-Food Additive	INS 905 (b)	Petroleum Jelly, Vaseline, Petrolatum	Purified mixture of semi-solid, saturated hydrocarbons, mainly of paraffinic nature, obtained from petroleum. It may contain antioxidants. White to yellowish, semi-solid. Visc 3-20 18C-atoms < 5% Av MW 350-650	Compendium on Food Additives Specifications; Addendum 6, FAO Food and Nutrition Paper 52 (1998)
	EDQM	Monograph No 1799	Vaselineum album (Petrolatum album)	Purified and wholly or nearly decolorized mixture of semi-solid hydrocarbons, obtained from petroleum. It may contain a suitable stabilizer.	Pharmaeuropa

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Paraffin Wax	JECFA-Food Additive (withdrawn)	INS 905 (c) (withdrawn)	Hydrocarbon waxes; petroleum wax (withdrawn)	Refined mixture of solid saturated hydrocarbons obtained from petroleum (withdrawn)	Note: This group of substances including low and intermediate melting point waxes was withdrawn in 1995. It had a group ADI with microcrystalline wax.

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