PERSONAL CARE

PRODUCT BROCHURE

FUMEI
Better by Innovation

INTRODUCTION:

Founded in 1981, Fumei develops and markets a broad portfolio of waxes and other lipid products, serving different industries including personal care, food, pharmaceutical and many others. Through over 40 years of efforts, FUMEI has established a production site equipped with advanced facilities, and a Science & Technology Center for product innovation and application development in China. And FUMEI has established a complete distribution system in the world.

FUMEI regards quality as the top priority, our products are produced in accordance with ISO9001 and GMP standard. With the principle of "Standard Quality, Creative Application", FUMEI is dedicated to providing customers high-end products and sustainable solutions.

CERTIFICATIONS

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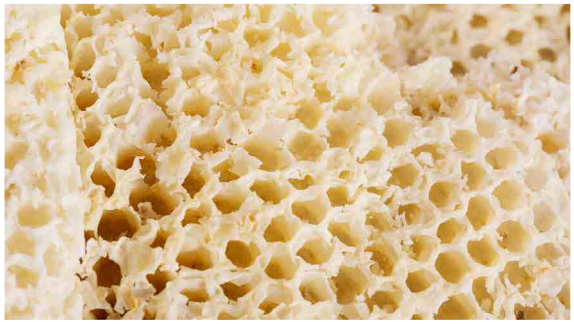
BEESWAX

Beeswax is the creamy colored substance used by honeybees to build the comb that forms the structure of the nest.



It is secreted as liquid from four pairs of wax glands on the ventral surface of abdominal tergites, and is obtained from the honeycombs of bees after honey has been removed by draining or centrifuging. Due to its properties of high binding strength, excellent plasticity and emulsifiability, etc., it is widely used in cosmetics, pharmaceutical, food and other industries.

As a by-product of honey industry, beeswax is natural and sustainable. FUMEI sources crude beeswax all over the world, and our experienced staff will check and select the qualified to be processed the purest beeswax. The whole beeswax production is strictly in accordance with GMP, and the quality meets pharmaceutical regulations.

BEESWAX: PRODUCT LIST

Trade name	Color	Drop Point	Properties	Approvals
Cerapharm® White Beeswax 1001	Ivory White	61-66°C	Pure, fine white beeswax, pharmaceutical grade	1)2)6)7)9)
Cerapharm® White Beeswax 1002	Off White	61-66°C	Pure, very white beeswax, pharmaceutical grade	1)2)6)7)9)
Cerapharm® Yellow Beeswax 1003	Light Yellow	61-66°C	Pure, moderately bleached, fine filtered, pharmaceutical grade	1)2)6)7)9)
Cerapharm® Yellow Beeswax 1004	Yellow to Brownish	61-66°C	Pure, mildly bleached, fine filtered, pharmaceutical grade	1)2)6)7)9)
Cerapharm® Organic Beeswax 1005	Ivory White	61-66°C	Pure and organic, free from any impurities, pharmaceutical grade	1)2)6)7)9)
Cerapharm® Organic Beeswax 1006	Light Yellow	61-66°C	Pure and organic, free from any impurities, pharmaceutical grade	1)2)6)7)9)
Cerapharm® White Beeswax 1101	Ivory White	61-66°C	Pure, super fine white beeswax, pharmaceutical / food grade	1)2)3)4)5)6)7)9)
Cerapharm® Yellow Beeswax 1104	Yellow to Pale Brown	61-66°C	Pure, mildly bleached, pharmaceutical / food grade	1)2)3)4)5)6)7)9)
Cerafumei® White Beeswax 2001	Ivory White	61-66°C	Pure, fine white beeswax, cosmetic grade	1)2)
Cerafumei® White Beeswax 2002	Off White	61-66°C	Pure, very fine white beeswax, low odor, cosmetic grade	1)2)
Cerafumei® White Beeswax 2002L	Off White	62-67°C	Pure white beeswax, low acid value, cosmetic grade	1)2)
Cerafumei® Yellow Beeswax 2003	Light Yellow	61-66°C	Pure, moderately bleached, fine filtered, cosmetic grade	1)2)
Cerafumei® Yellow Beeswax 2004	Yellow to Brownish	61-66°C	Pure, mildly bleached, fine filtered, cosmetic grade	1)2)
Cerafumei® Synthetic Beeswax 3001*	White	61-66°C	A blend of beeswax with other ingredients, substitute of natural white beeswax	1)2)
Cerafumei® Synthetic Beeswax 3002*	Light Yellow	61-66°C	A blend of beeswax with other ingredients, substitute of natural yellow beeswax	1)2)
Cerafumei® Synthetic Beeswax 3003	White to Light Yellow	61-66°C	A blend with a lower beeswax content, not so sticky as natural beeswax, can be used at a higher dosage than natural beeswax with a low cost	1)2)
Cerafumei® Synthetic Beeswax 3101*	White	61-66°C	A cost-effective natural beeswax substitute, comply with REACH and RSPO	1)2)
Cerafumei® Synthetic Beeswax 4001*	White	61-66°C	Non-animal, a blend of ingredients without any beeswax, economic beeswax substitute, cosmetic grade	1)2)
Cerafumei® Synthetic Beeswax 4002*	Light Yellow	61-66°C	Non-animal, a blend of ingredients without any beeswax, economic beeswax substitute, cosmetic grade	1)2)
Cerafumei® Synthetic Beeswax 4101*	White	61-66°C	Non-animal, a cost-effective natural beeswax substitute, suitable for vegan, comply with REACH and RSPO	1)2)

Approvals:

Cosmetics: European Cosmetics Regulation (No.1223/2009) [1], China Cosmetics Raw Material Name List (2013) [2]
Food additive/Food contact: EU (E901) [3], US (FDA 21 CFR 184.1973) [4] and China (GB 1886.87-2015) [5]
Pharmacopoeia: EP (Monograph No.69/No.70) [6], US (USP/NF) [7], China (ChP Catalogue 4) [8], BP (Monograph No.69/No.70) [9]
INCI: Beeswax
*: INCI refer to TDS

BEESWAX: RECOMMENDED USE

Common Use | Recommended Use

		PHARM			FOOD		PERSONAL CARE												
		Ointment	Tablet	Softgel	Glazing & Coating	Flavor Carrier / Gum Base	Cream	Lotion	Cold Cream	Eye Cream	Hand Cream	Body Care	Lip Care	BB Cream	Lip Stick	Mascara	Eye Liner	Pressed Powder / Eye Shadow	Hair Care & Styling
Cerapharm®	1001	Common Use	Common Use	Common Use			Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
	1002	Common Use	Common Use	Common Use			Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
	1003	Common Use	Common Use	Common Use			Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
	1004	Common Use	Common Use	Common Use			Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
	1005	Common Use	Common Use	Common Use			Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
	1006	Common Use	Common Use	Common Use			Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
	1101	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
	1104	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
Cerafumei®	2001						Common Use	Common Use	Common Use	Common Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Common Use	Common Use	Common Use	Recommended Use
	2002						Recommended Use	Recommended Use	Recommended Use	Recommended Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
	2002L						Recommended Use	Recommended Use	Recommended Use	Recommended Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
	2003						Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
	2004						Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
	3001						Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Common Use	Common Use	Common Use	Recommended Use
	3002						Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
	3003						Common Use	Common Use	Common Use	Common Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Common Use	Common Use	Common Use	Recommended Use
	3101						Common Use	Common Use	Common Use	Common Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Common Use	Common Use	Common Use	Recommended Use
	4001						Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Common Use	Common Use	Common Use	Recommended Use
	4002						Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
	4001						Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Common Use	Common Use	Common Use	Recommended Use

VEGETABLE BEESWAX

Vegetable beeswax is a mixture of various vegetable oils and waxes, it mimics the chracteristics of natural beeswax, and has moderate hardness and excellent oil binding capacity. It is vegan suitable and can be a substitute for animal beeswax.

Fumei's vegetable beeswax is 100% natural and sustainable, an ideal choice for "clean beauty". It is an excellent consistency agent with kneadable property and can moisturize and nourish the skin. It can be used as a structuring agent in solid formulations such as lipstick, lip balm, eyebrow pencil, etc., and can also be used in creams and emulsions to improve the skin feel and texture. Futhermore, it can also be used in hair care products.

Cerafumei® VB 4101 has a silky and soft texture thanks to the addition of sumac wax. Furthermore, the high content of sunflower wax gives it excellent oil binding capacity.

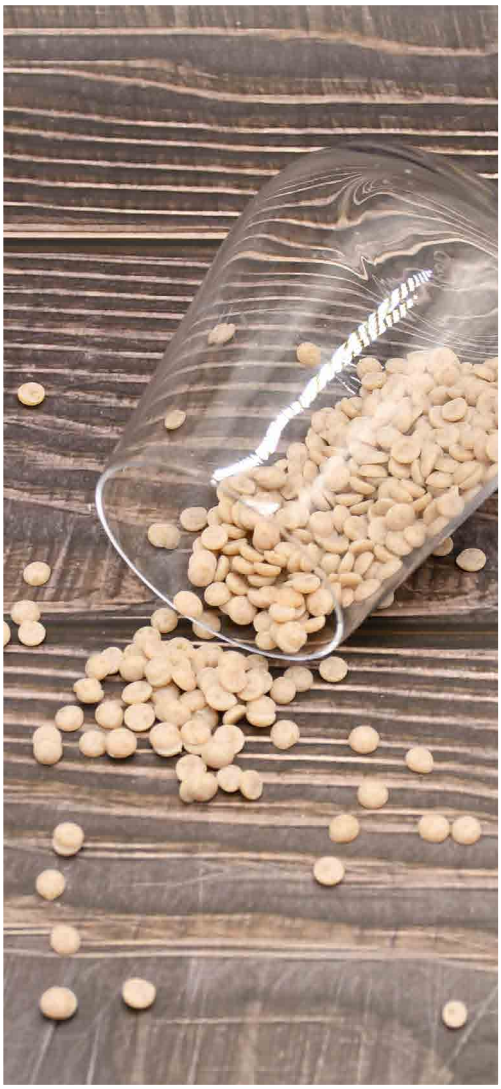
Thanks to the addition of rice bran wax, Cerafumei® VB 4102 has a non-sticky skin feel, and it has a higher melting point, which can improve the heat stability of the formula.

VEGETABLE BEESWAX: PRODUCT LIST

Trade name	INCI	Appearance	Drop Point (°C)	Acid Value (mg KOH/g)	Saponification Value (mg KOH/g)
Cerafumei® VB 4101	Helianthus Annuus (Sunflower) Seed Wax, Olea Europaea (Olive) Oil Unsaponifiables, Rhus Succedanea Fruit Wax, Shorea Robusta Resin	Pale yellow to yellow pellets	68-74	4-10	70-80
Cerafumei® VB 4102	Oryza Sativa (Rice) Bran Wax, Hydrogenated Coconut Oil, Hydroxystearic Acid	Pale yellow pellets	73-81	21-32	135-155

SUMAC WAX

Sumac Wax is a 100% plant wax obtained by pressing the fruit of the Rhus Succedanea tree. It is a soft wax with low melting point.



This all-natural wax adds emollience to formulations without greasy after-feel.

Through continuous technology improvement, FUMEI can provide sumac wax with a lower acid value and lighter color, which can greatly reduce blooming appearance in lipstick formulations.

SUMAC WAX: PRODUCT LIST

Trade name	Color	Form	MP	Acid Value	Saponification Value	Approvals
Cerafumei® Sumac Wax 5101	Grayish Yellow	Pellets	48-54°C	5-35 mg KOH/g	180-220 mg KOH/g	1)2)3)
Cerafumei® Sumac Wax 5102	Pale White	Pellets	48-54°C	5-35 mg KOH/g	180-220 mg KOH/g	1)2)3)
Cerafumei® Sumac Wax 5103	Grayish Yellow	Pellets	48-56°C	5-25 mg KOH/g	180-220 mg KOH/g	1)2)3)
Cerafumei® Sumac Wax 5104	Off White	Pellets	48-56°C	5-25 mg KOH/g	180-220 mg KOH/g	1)2)3)
Synfumei® Synthetic Sumac Wax 6701*	Light Yellow	Pellets	52-60°C (DP)	8-18 mg KOH/g	130-150 mg KOH/g	1)2)

Approvals:

Cosmetics: European Cosmetics Regulation (No.1223/2009) [1], China Cosmetics Raw Material Name List (2013) [2]
Food additive/Food contact: US (FDA 21 CFR 186.1555) [3]
INCI: Rhus Succedanea Fruit Wax
*: INCI refer to TDS

SUMAC WAX: RECOMMENDED USE

Common Use | Recommended Use

		PHARM			FOOD		PERSONAL CARE												
		Ointment	Tablet	Softgel	Glazing & Coating	Flavor Carrier / Gum Base	Cream	Lotion	Cold Cream	Eye Cream	Hand Cream	Body Care	Lip Care	BB Cream	Lip Stick	Mascara	Eye Liner	Pressed Powder / Eye Shadow	Hair Care & Styling
Cerafumei®	5101						Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
	5102						Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
	5103						Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
	5104						Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use
Synfumei®	6701														Recommended Use	Recommended Use	Recommended Use		

RICE BRAN WAX

Rice Bran Wax is a high melting point vegetable wax derived from extraction and de-waxing of rice bran oil, it is considered as safe and hypoallergenic.

It has been historically used in a wide variety of cosmetics and foods, replacing carnauba wax in some applications.

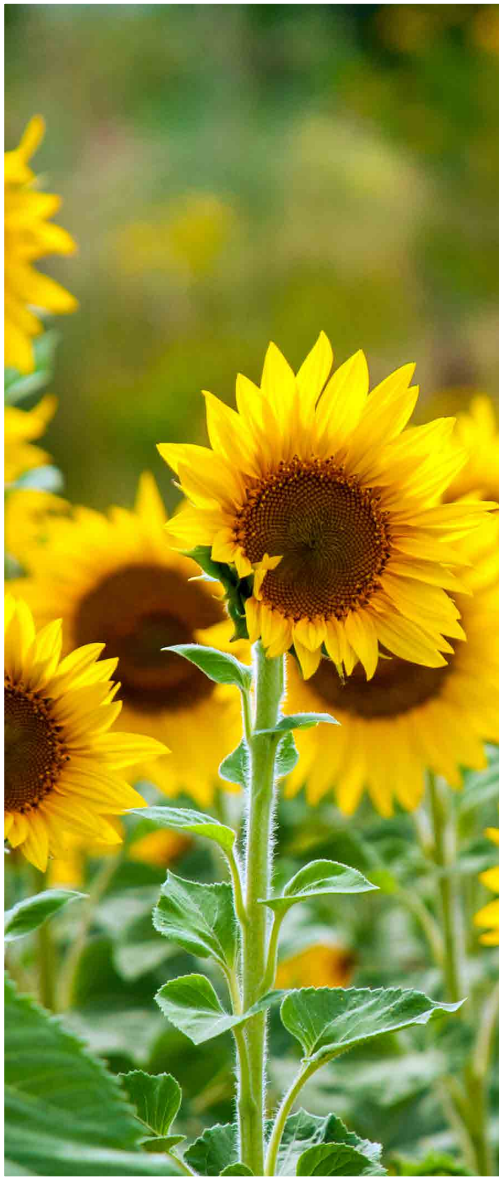
Rice Bran Wax is a superior binder of oils and has been used in combining with and stabilizing oils in both anhydrous and emulsion systems. It adds a pleasant, absolutely non-sticky skin feel and provides a soft and creamy texture in emulsions and oleogels. It is also seen as particularly effective in reducing syneresis in lipstick and other oil-based systems.

RICE BRAN WAX: PRODUCT LIST

Trade name	Color	MP	Free Fat Acids	Approvals
Cerafumei® Rice Bran Wax 5401N	Light Yellow to Yellow	75-80°C	≤10%	1)2)3)

Approvals:

Cosmetics: European Cosmetics Regulation (No.1223/2009) [1], China Cosmetics Raw Material Name List (2013) [2]
Food additive/Food contact: US (FDA 21 CFR 172.890)[3]
INCI: Oryza Sativa (Rice) Bran Wax



SUNFLOWER WAX

Sunflower Wax is a vegetable wax derived by dewaxing sunflower oil.

It consists of long chain, saturated esters providing hardness and crystalline structure with a high melting point.

Sunflower Wax has excellent oil binding capacity and non-sticky skin feel. In lipsticks it contributes to stability, hardness and texture as well as a mould-releasing agent. It can also provide emolliency, film formation and lubricity and is most commonly used in lipsticks, lip balms, and other anhydrous color cosmetics, foundations, mascaras, skin and hair care.

SUNFLOWER WAX: PRODUCT LIST

Trade name	Color	MP	Acid Value	Approvals
Cerafumei® Sunflower Wax 5301	White to Light Yellow	74-80°C	≤8 mg KOH/g	1)2)

Approvals:

Cosmetics: European Cosmetics Regulation (No.1223/2009) [1], China Cosmetics Raw Material Name List (2013) [2]
INCI: Helianthus Annuus (Sunflower) Seed Wax

CARNAUBA WAX

Carnauba Wax is obtained from the leaf buds and leaves of the Brazilian Mart Wax Palm, *Copernicia Cerifera*.

It is a complex mixture consisting of aliphatic esters (wax esters), α-hydroxyl ester and cinnamic aliphatic diesters, and also contains free acids, free alcohols, hydrocarbon and resins. Because of the chemical structure of carnauba wax, it is one of the hardest and highest melting point natural waxes with clean structure, high crystallinity and oil binding capacity.

According to the classification of carnauba wax, it goes from the highest value prime product (Type 1 or Prime Yellow) to a very crude product (Type 4 or Filtered).

CARNAUBA WAX: PRODUCT LIST

Trade name	Color	MP	Properties	Approvals
Cerapharm® Carnauba Wax 1105	Pale Yellow or Yellow	80-86°C	Powder, low peroxide value, particle size < 15 μm	1)2)3)4)5)6)7)9)
Cerapharm® Carnauba Wax 1106	Pale Yellow or Yellow	80-86°C	Powder, low peroxide value, particle size < 100 μm	1)2)3)4)5)6)7)9)
Cerapharm® Carnauba Wax 1107	Pale Yellow or Yellow	80-86°C	Flakes, low peroxide value	1)2)3)4)5)6)7)9)
Cerafumei® Carnauba Wax 2009	Yellow to Pale Brown	82-86°C	Flakes, standard quality	1)2)
Cerafumei® Carnauba Wax 2010	Yellow to Pale Brown	82-86°C	Pellets, low peroxide value, low resin content	1)2)
Cerafumei® Carnauba Wax 2011	Pale Yellow or Yellow	82-86°C	Flakes, standard quality	1)2)
Cerafumei® Carnauba Wax 2012	Pale Yellow or Yellow	82-86°C	Pellets, low peroxide value, low resin content	1)2)

Approvals:

Cosmetics: European Cosmetics Regulation (No.1223/2009) [1], China Cosmetics Raw Material Name List (2013) [2]
Food additive/Food contact: EU (E903) [3], US (FDA 21 CFR 184.1978) [4] and China (GB 1886.84-2015) [5]
Pharmacopoeia: EP (Monograph No.597) [6], US (USP/NF) [7], and China (ChP Catalogue 4) [8], BP (Monograph No.597) [9]
INCI: Copernicia Cerifera (Carnauba) Wax

CARNAUBA WAX: RECOMMENDED USE

Common Use Recommended Use

		PHARM			FOOD		PERSONAL CARE												
		Ointment	Tablet	Softgel	Glazing & Coating	Flavor Carrier / Gum Base	Cream	Lotion	Cold Cream	Eye Cream	Hand Cream	Body Care	Lip Care	BB Cream	Lip Stick	Mascara	Eye Liner	Pressed Powder / Eye Shadow	Hair Care & Styling
Cerapharm®	1105	Common Use	Common Use	Common Use	Recommended Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
Cerapharm®	1106	Common Use	Common Use	Common Use	Recommended Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
Cerapharm®	1107	Recommended Use	Recommended Use	Recommended Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
Cerafumei®	2009						Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
Cerafumei®	2010						Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
Cerafumei®	2011						Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use
Cerafumei®	2012						Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Recommended Use	Recommended Use	Recommended Use	Common Use	Common Use

CANDELILLA WAX

Candelilla Wax is a 100% natural plant wax obtained from the bushes of candelilla plants (*Euphorbia Certifera*).

This hard and brittle wax is composed of about 50% hydrocarbons with smaller amounts of esters and free acids.

Candelilla wax has good oil binding capacity, improving the stability and texture of cosmetic products. It provides excellent mould release and is traditionally used to harden stick formulations. Its surface can reach high levels of brilliance once refined, delivering good surface gloss in a variety of applications. Candelilla wax is often used in combination with carnauba wax, beeswax and other waxes to improve skin feel, adhesion and pay-off properties.

CANDELILLA WAX: PRODUCT LIST

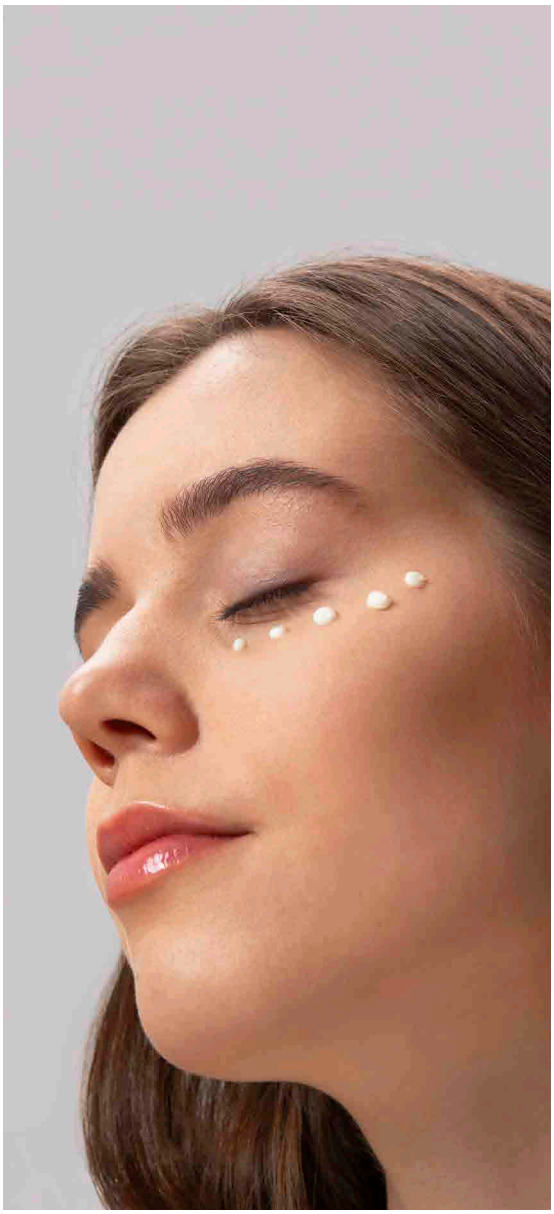
Trade name	Color	MP	Acid Value	Approvals
Cerafumei® Candelilla Wax 5501	Yellow to Light Brown	68-73°C	12-22 mg KOH/g	1)2)3)4)
Synfumei® Synthetic Candelilla Wax 6702*	Pale Yellow or Yellow	76-82°C (DP)	12-22 mg KOH/g	1)2)

Approvals:

Cosmetics: European Cosmetics Regulation (No.1223/2009) [1], China Cosmetics Raw Material Name List (2013) [2]
Food additive/Food contact: EU (E902) [3], US (FDA 21 CFR 184.1976) [4]
INCI: Euphorbia Cerifera (Candelilla) Wax
*: INCI refer to TDS

VEGETABLE-BASED EMOLLIENTS

Mineral oils and lanolin have long been widely utilized in personal care products, chiefly owing to their remarkable occlusivity and outstanding moisturizing capabilities. Nevertheless, nowadays, plant-based emollients are swiftly carving out a prominent niche for themselves, emerging as highly sought-after alternatives, courtesy of their plant-derived origins and a host of distinctive properties.



Vegetable-based emollients are mainly derived from various plants, of which the the Sensgel® VP series products are composed of plant waxes and vegetable oils, while the Sensgel® VL product is obtained by the esterification of different plant-derived ingredients.

Our Sensgel® series vegetable-based emollients act as natural occlusive agent to form a protecting barrier on the skin, nourish and soften the skin while allow it to breathe freely. They are light-weight and easy to spread, excellent payoff enhancer especially in stick formulations. Furthermore, they have good stability and do not show any oil-bleeding.

Thanks to all these benefits, Sensgel® series vegetable-based emollients can be used in skin care, hair care, solid formulations, color cosmetics and others.

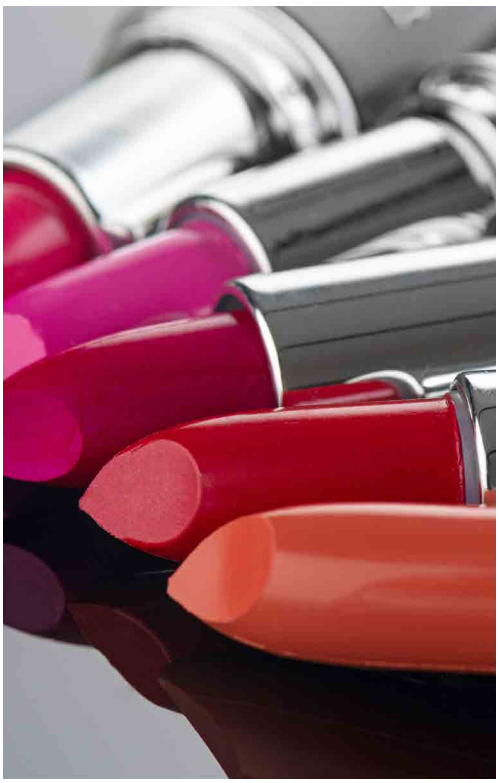
VEGETABLE-BASED EMOLLIENTS: PRODUCT LIST

Trade name	INCI	Appearance	Drop Point (°C)	Cone Penetration (1/10mm)
Sensgel® VP 6801H	Ricinus Communis (Castor) Seed Oil, Rhus Succedanea Fruit Wax, Ascorbyl Palmitate, Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	Translucent white to yellowish paste	43-52	125-165
Sensgel® VP 6803	Cocos Nucifera (Coconut) Oil, Olea Europaea (Olive) Fruit Oil, Rhus Succedanea Fruit Wax, Helianthus Annuus (Sunflower) Seed Wax	White paste	58-64	Approx. 120
Sensgel® VL 6804	Bis-Diglyceryl Polyacyladipate-2	Yellowish paste	32-37	/

CERESIN & OZOKERITE WAX

Ceresin and Ozokerite Waxes are originally mineral wax, derived from coal and shale.

Nowadays ceresin and ozokerite waxes for cosmetics are synthesized from petroleum, exactly like microcrystalline wax or its blend with paraffin wax. Both wax types are white, odorless and hard with a relatively high melting point and excellent oil binding capacity. They can increase viscosity, assist in emulsion stability and reduce the brittleness of stick preparations and add hardness. These properties encourage their use in lipstick and lip care products to promote structure and stick strength.



CERESIN & OZOKERITE WAX: PRODUCT LIST

Trade name	MP	Congealing point	Color (Saybolt)	Needle Penetration (25°C) (1/10 mm)	Approvals
Cerafumei® Ozokerite Wax 6501	70-78°C	66-72°C	≥+28	10-16	1)2)3)
Cerafumei® Ceresin Wax 6502	92-102°C	83-93°C	≥+28	5-10	1)2)3)
Cerafumei® Ozokerite Wax 6503	100-110°C	87-97°C	≥+28	4-9	1)2)
Cerafumei® Ozokerite Wax 6504	92-100°C	79-85°C	≥+28	5-10	1)2)

Approvals:

Cosmetics: European Cosmetics Regulation (No.1223/2009) [1], China Cosmetics Raw Material Name List (2013) [2]
Food additive/Food contact: US (FDA 21 CFR 172.886 and 178.3710) [3]
INCI: Detailed information refer to TDS

CERESIN & OZOKERITE WAX: RECOMMENDED USE

Common Use | Recommended Use

		PHARM			FOOD		PERSONAL CARE												
		Ointment	Tablet	Softgel	Glazing & Coating	Flavor Carrier / Gum Base	Cream	Lotion	Cold Cream	Eye Cream	Hand Cream	Body Care	Lip Care	BB Cream	Lip Stick	Mascara	Eye Liner	Pressed Powder / Eye Shadow	Hair Care & Styling
Cerafumei®	6501						Recommended Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Common Use
	6502						Recommended Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Common Use
	6503						Recommended Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Common Use
	6504						Recommended Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Common Use

MICROCRYSTALLINE WAX

Microcrystalline Wax is obtained from petroleum distillation residual heavy fractions by solvent separation, refining and hydrogenation.

It is a combination of branched and straight chain saturated hydrocarbons with carbon numbers greater than 35. Unlike paraffin waxes, microcrystalline waxes have very minute crystals and are elastic, adhesive, with a greater affinity for oil.

MICROCRYSTALLINE WAX: PRODUCT LIST

Trade name	Drop Melting Point	Congealing Point	Oil Content	Color (Saybolt)	Needle Penetrration (25°C) (1/10 mm)	Kinematic Viscosity mm²/s	Approvals
Microfumei® Microcrystalline Wax 6102	66-76°C (DP)	63-70°C	≤3%	≥+20	20-35	11-16 (100°C)	1)2)3)4)5)
Microfumei® Microcrystalline Wax 6201	78-86°C	73-79°C	≤3%	≥+28	25-35	11-16 (100°C)	1)2)3)4)5)
Microfumei® Microcrystalline Wax 6302	73-81°C	70-76°C	≤6%	≥+28	60-75	11-18 (100°C)	1)2)3)4)5)
Microfumei® Microcrystalline Wax 6303	86-92°C	82-86°C	≤3%	≥+28	8-18	11-16 (100°C)	1)2)3)4)5)
Microfumei® Microcrystalline Wax 6304	90-102°C	86-94°C	≤2%	≥+26	2-8	9-13 (120°C)	1)2)3)4)5)
Microfumei® Microcrystalline Wax 6305	79-84°C	71-76°C	≤3%	≥+28	26-45	13-18 (100°C)	1)2)3)4)5)

Approvals:

Cosmetics: European Cosmetics Regulation (No.1223/2009) [1], China Cosmetics Raw Material Name List (2013) [2]
Colipa: Recommendation No. 14 lip and oral care products [3]
Food additive/Food contact: EU (E905) [4], US (FDA 21 CFR 172.886) [5], China (GB22160-2008) [6]
Pharmacopoeia: EU (Monograph No.2399) [7], US (USP/NF) [8], and China (ChP Catalogue 4) [9], BP (Monograph No.2399) [10]
INCI: Microcrystalline Wax

MICROCRYSTALLINE WAX: RECOMMENDED USE

Common Use | Recommended Use

		PHARM			FOOD		PERSONAL CARE												
		Ointment	Tablet	Softgel	Glazing & Coating	Flavor Carrier / Gum Base	Cream	Lotion	Cold Cream	Eye Cream	Hand Cream	Body Care	Lip Care	BB Cream	Lip Stick	Mascara	Eye Liner	Pressed Powder / Eye Shadow	Hair Care & Styling
Microfumei®	6102						Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Recommended Use	Common Use	Common Use	Common Use	Common Use
	6201						Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Recommended Use	Common Use	Common Use	Common Use	Common Use
	6302						Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Recommended Use	Common Use	Recommended Use	Common Use	Common Use	Common Use	Common Use
	6303						Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Recommended Use	Common Use	Common Use	Common Use	Common Use
	6304						Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Recommended Use	Common Use	Common Use	Common Use	Common Use
	6305						Recommended Use	Common Use	Common Use	Common Use	Recommended Use	Common Use	Recommended Use	Common Use	Recommended Use	Common Use	Common Use	Common Use	Common Use

PARAFFIN WAX

Paraffin Wax is the blend of solid saturated hydrocarbons generally obtained from petroleum by means of modern refining technology, such as de-oiling, distillation, crystallization and hydrogenation.

It has large crystals with a low molecular weight. This chemical structure results in its hardness, gloss and high oil-binding strength.

FUMEI provides a series of hard paraffin waxes with different melting points, which can be widely used in pharmaceutical, food additive and cosmetic formulations.

PARAFFIN WAX: PRODUCT LIST

Trade name	MP	Congealing Point	Oil Content	Color (Saybolt)	Needle Penetrration (25°C) (1/10 mm)	Kinematic Viscosity (100°C) mm²/s	Approvals
Parafumei® Paraffin Wax 7101	52-54°C	52-54°C	≤0.5%	≥+28	14-18	3.0-4.0	1)2)3)
Parafumei® Paraffin Wax 7201	54-56°C	54-56°C	≤0.5%	≥+28	14-18	3.0-4.0	1)2)3)
Parafumei® Paraffin Wax 7301	56-58°C	56-58°C	≤0.5%	≥+28	14-18	3.5-4.5	1)2)3)
Parafumei® Paraffin Wax 7401	58-60°C	58-60°C	≤0.5%	≥+28	13-17	3.5-4.5	1)2)3)
Parafumei® Paraffin Wax 7501	60-62°C	60-62°C	≤0.5%	≥+28	11-16	4.0-5.0	1)2)3)
Parafumei® Paraffin Wax 7601	64-66°C	63-66°C	≤0.5%	≥+28	14-18	5.0-6.0	1)2)3)

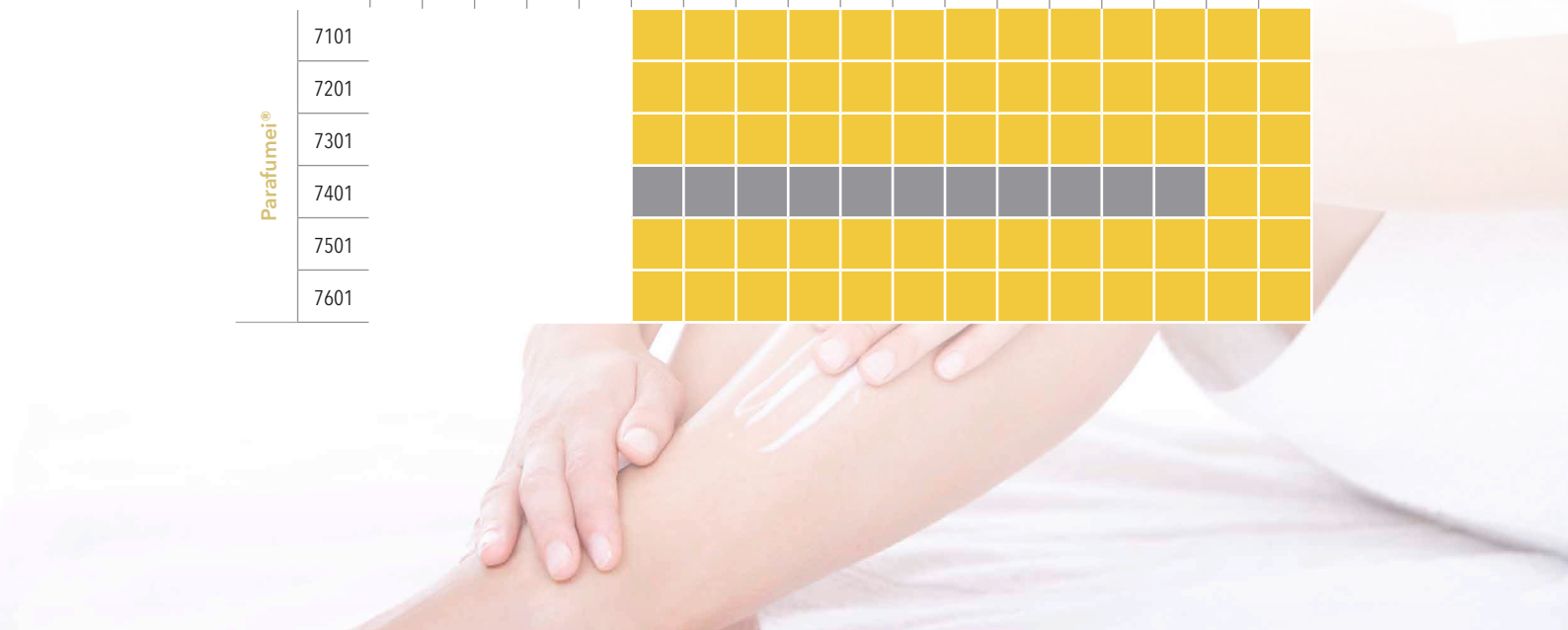
Approvals:

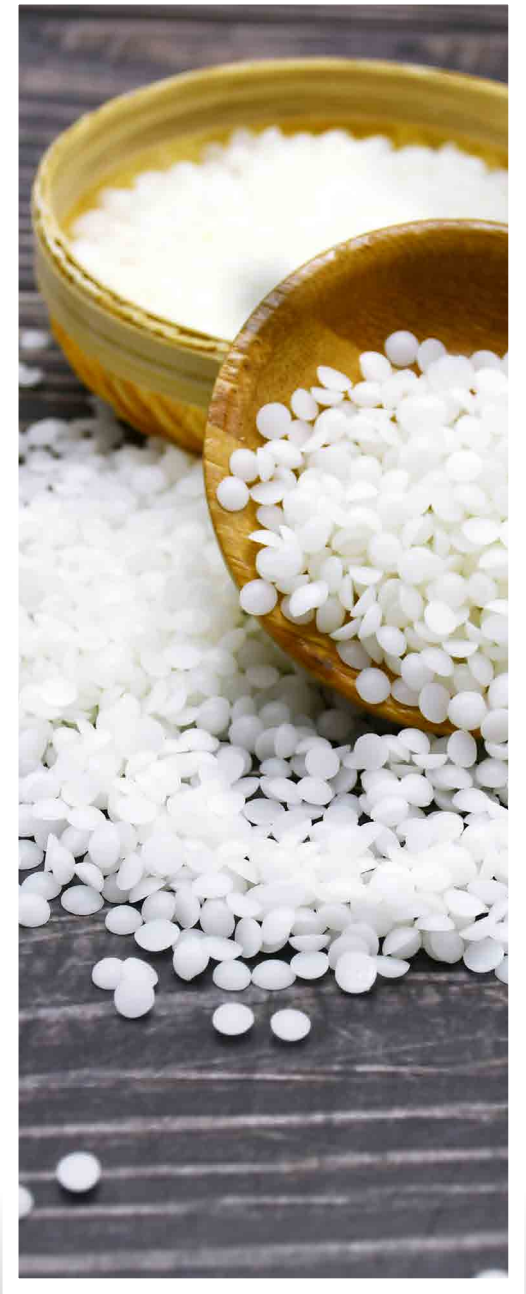
Cosmetics: European Cosmetics Regulation (No.1223/2009) [1], China Cosmetics Raw Material Name List (2013) [2]
Food additive/Food contact: US (FDA 21 CFR 172.886) [3], China (GB1886.26-2016) [4]
Pharmacopoeia: EU (Monograph No.1034) [5], US (USP/NF) [6], and China (ChP Catalogue 4) [7], BP (Monograph No.1034) [8]
INCI: Paraffin

PARAFFIN WAX: RECOMMENDED USE

Common Use Recommended Use

		PHARM			FOOD		PERSONAL CARE												
		Ointment	Tablet	Softgel	Glazing & Coating	Flavor Carrier / Gum Base	Cream	Lotion	Cold Cream	Eye Cream	Hand Cream	Body Care	Lip Care	BB Cream	Lip Stick	Mascara	Eye Liner	Pressed Powder / Eye Shadow	Hair Care & Styling
Parafumei®	7101																		
	7201																		
	7301																		
	7401																		
	7501																		
	7601																		





NONIONIC EMULSIFYING WAX

Nonionic Emulsifying Wax consists of vegetable and mineral derived emulsifiers and stabilizers, it offers formulators quick and reliable solutions to a wide variety of emulsification problems.

Nonionic emulsifying wax is considered as one of the most stable emulsifier in a wide pH range (3-14) applications, and it is compatible with most of cosmetic and pharmaceutical ingredients. Nonionic emulsifying wax has been widely used in personal care and pharmaceutical ingredients in long period.

FUMEI's nonionic emulsifying waxes are RSPO certified, and the EO and dioxane residue comply with pharmaceutical standard.

NONIONIC EMULSIFYING WAX: PRODUCT LIST

Trade name	MP	INCI	Approvals
Cerapharm® Nonionic Emulsifying Wax NF4003	50-54°C	Cetearyl Alcohol (and) Polysorbate 60	1)2)3)
Cerapharm® Nonionic Emulsifying Wax BP4004	45-53°C (Solidification Point)	Cetearyl Alcohol (and) Ceteareth-20	1)2)4)
Cerafumei® Nonionic Emulsifying Wax 4005	50-54°C	Cetearyl Alcohol (and) PEG-20 Stearate	1)2)

Approvals:

Cosmetics: European Cosmetics Regulation (No.1223/2009) [1], China Cosmetics Raw Material Name List (2013) [2]
Pharmacopoeia: US (USP/NF) [3], BP [4]

NONIONIC EMULSIFYING WAX: RECOMMENDED USE

Common Use | Recommended Use

		PHARM			FOOD		PERSONAL CARE												
		Ointment	Tablet	Softgel	Glazing & Coating	Flavor Carrier / Gum Base	Cream	Lotion	Cold Cream	Eye Cream	Hand Cream	Body Care	Lip Care	BB Cream	Lip Stick	Mascara	Eye Liner	Pressed Powder / Eye Shadow	Hair Care & Styling
Cerapharm®	NF4003	Recommended Use					Common Use	Common Use	Common Use	Common Use	Common Use	Common Use							
Cerapharm®	BP4004	Recommended Use					Common Use	Common Use	Common Use	Common Use	Common Use	Common Use							
Cerafumei®	4005						Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use							

SYNTHETIC WAX

Synthetic Wax is mainly composed of straight-chain and saturated high-carbon alkanes with relative molecular weight of 500-1000.

It is a saturated direct paraffin with no double bond, strong antioxidant ability and good weather resistance. FUMEI's synthetic wax is specially designed with a high melting point, low oil content, low penetration and high stability, it acts as a substantivity, consistent agent, thickener & stabilizer in cosmetic formulations.

SYNTHETIC WAX: PRODUCT LIST

Trade name	MP	Congealing point	Color	Needle Penetrration (25°C) (1/10 mm)	Approvals
Synfumei® Synthetic Wax 6601	108-118°C	96-100°C	White	≤3	1)2)3)
Synfumei® Synthetic Wax 6602	82-91°C	78-85°C	White	4-9	1)2)3)

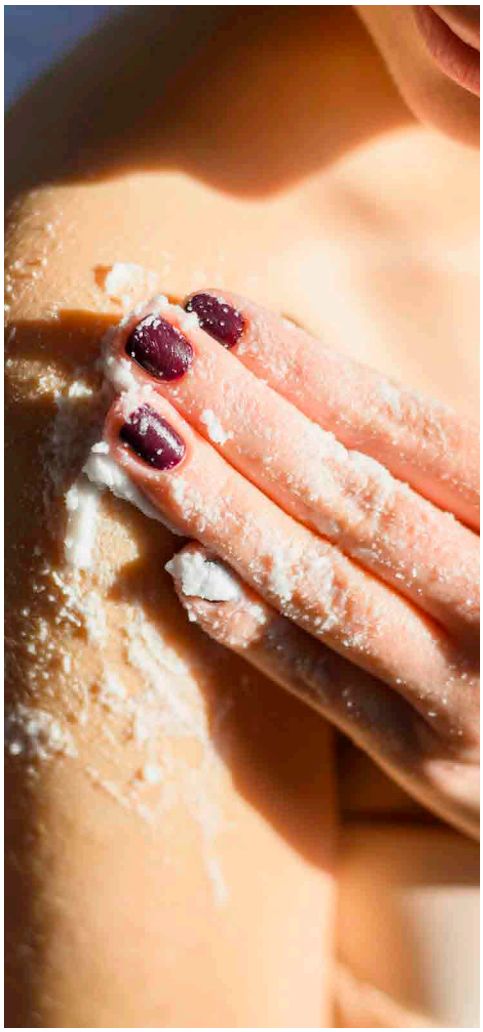
Approvals:

Cosmetics: European Cosmetics Regulation (No.1223/2009) [1], China Cosmetics Raw Material Name List (2013) [2]
Food additive/Food contact: US (FDA 21 CFR 172.615, 175.250) [3]
INCI: Synthetic Wax

SYNTHETIC WAX: RECOMMENDED USE

Common Use | Recommended Use

		PHARM			FOOD		PERSONAL CARE												
		Ointment	Tablet	Softgel	Glazing & Coating	Flavor Carrier / Gum Base	Cream	Lotion	Cold Cream	Eye Cream	Hand Cream	Body Care	Lip Care	BB Cream	Lip Stick	Mascara	Eye Liner	Pressed Powder / Eye Shadow	Hair Care & Styling
Synumei®	6601						Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Common Use
	6602						Recommended Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Common Use	Recommended Use	Recommended Use	Recommended Use	Recommended Use	Common Use



NATURAL EXFOLIANTS

FOR EXFOLIATION PRODUCTS

Natural exfoliants have gained more and more popularity in scrubbing products because of their sustainability. Cerafumei® RBW 5401P is obtained by grinding the rice bran wax which is 100% vegetable and biodegradable. And we do not add any extra pigment to maintain its naturalness.

Thanks to its spherical shape, Cerafumei® RBW 5401P can provide gentle yet effective exfoliation, and cause no irritation to the skin, which makes it ideal choice for facial and body scrubs, even for sensitive skin.

NATURAL EXFOLIANTS: PRODUCT LIST

Trade name	INCI	Color	MP	Particle Size (max) (μm)
Cerafumei® Wax Beads RBW 5401P	Oryza Sativa (Rice) Bran Wax	Pale yellow	75-80°C	250-700

VERSATILE WAX POWDER

· SPF BOOSTER · ADHESIVE
· SOFT-FOCUS

Cerafumei® series wax powder is made of 100% vegetable wax through superfine grinding process, which is environmentally friendly and biodegradable. They are natural without any additional pigments or dyes.

Synfumei® series wax powder is superfine powder with a high melting point and excellent stability. Compared with vegetable-derived powder, it is not easy to agglomerate when mixed with other cosmetic ingredients. It has excellent binding capacity thanks to its irregular particle shape.

Fumei can supply wax powder with different shapes. Those with spherical shapes are softer and gentler, and can be used as natural soft-focus agent. While those with irregular shapes have better adhesion, especially in powder makeup, which can improve the hardness and compactness of products.

These wax powder can also be used in emulsion system to improve the stability of formula, or used in sunscreen formula to act as a SPF booster.

VERSATILE WAX POWDER: PRODUCT LIST

Trade name	INCI	Color	Particle Shape	MP	Particle Size (μm)
Cerafumei® Wax Powder RBW 5401RP15	Oryza Sativa (Rice) Bran Wax	White to pale yellow	Irregular	75-80°C	≤15
Cerafumei® Wax Powder RBW 5401SP15	Oryza Sativa (Rice) Bran Wax	White to pale yellow	Spherical	75-80°C	≤15
Cerafumei® Wax Powder CW1105RP15	Copernicia Cerifera (Carnauba) Wax	Pale yellow or yellow	Irregular	80-86°C	≤15
Cerafumei® Wax Powder CW 1105SP15	Copernicia Cerifera (Carnauba) Wax	Pale yellow or yellow	Spherical	80-86°C	≤15
Synfumei® Wax Powder 6601RP15	Synthetic Wax	White	Irregular	108-118°C	≤15

CUSTOMIZED PRODUCTS

Fumei can supply customized products for different fields, such as personal care, food and industry. With accumulated experience and professional R&D team, we can offer you the best product for your formulation.

Through close cooperation with our customer's R&D department, we can deeply understand their requirements, which can help us to develop unique formulas for them, thus increasing their products' added value and making them more competitive in the market.

OUR SERVICE

FORMULATIONS

Costom and Unique Formulations of Lipcare, Hair Care&Styling, Skin Care, Color Cosmetic. Stay ahead of trends to give your business the edge with unique formulations that are tailored for marketability by our cosmetic engineers.

APPLICATIONS

We could offer you various cosmetic applications for your reference. We go far beyond offering innovative ingredients to the cosmetic industry. Our goal is to provide our valued customers with active support on every step of the product development.

SOLUTIONS

We provide cosmetic solutions service, and we create cost effective, high quality, innovative products for the global personal care market.

PERSONAL CARE

Product Brochure

2025

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