

# Product Brochure

Personal Care



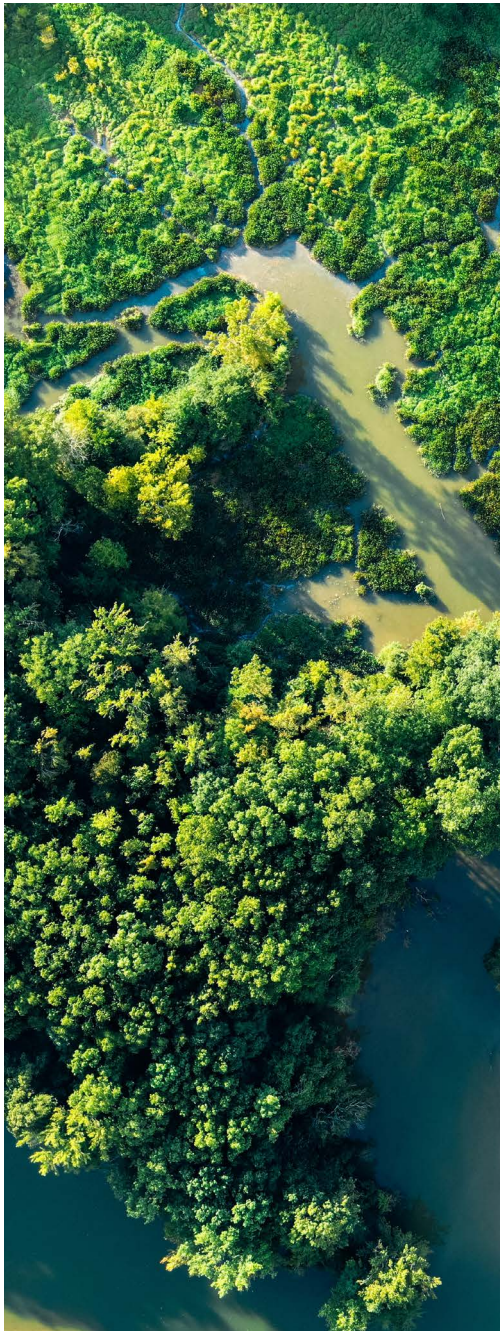
# ABOUT FUMEI

Fumei was established in 1981 and specializes in the research, development, production, and sales of waxes and other lipid-based products, providing high-quality products and services to global enterprises in the personal care, pharmaceutical, and other industries.

Over the past 40 years, Fumei has built large-scale production bases in China, equipped with world-leading manufacturing and inspection facilities. Additionally, the company has established a Science & Technology Center in Shanghai to support product application development, while also building a comprehensive global distribution network.

Fumei has always regarded quality as the foundation of the enterprise. Adhering to the philosophy of "Standard Quality, Creative Application," the company strictly implements ISO9001 and GMP standards. With robust production and inspection equipment, advanced application development instruments, and a professional team of engineers, Fumei ensures the consistent quality and continuous innovation of its products. The company remains committed to practicing sustainable development and is dedicated to providing customers with high-quality products and sustainable solutions.





# *SUSTAINABILITY IN ACTION*

As the cosmetic ingredients industry accelerates its green transformation, Fumei consistently places "sustainable development" at the core of its corporate strategy. From raw material sourcing to the entire production chain, we leverage innovative technologies to unlock the infinite potential of natural resources and employ circular thinking to safeguard ecological balance. We provide global beauty brands with wax and lipid solutions that deliver both quality and environmental value.

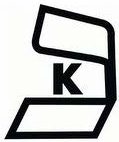
Our proud natural wax series – including Sunflower Wax and Rice Bran Wax – epitomizes this philosophy. Sourced from by-products of edible oil production, these waxes achieve waste repurposing and value enhancement through innovative technology. This approach not only reduces the environmental impact of agricultural waste but also pioneers a new green paradigm for resource circularity. From field to fingertip, we give every natural resource a second life.

Simultaneously, we strictly adhere to sustainable sourcing standards, ensuring that raw materials like Beeswax, Sumac Wax, and Candelilla Wax are obtained in a manner that protects biodiversity. Our Vegetable Beeswax and Plant-based Emollients demonstrate our green solutions for replacing traditional ingredients. Whether natural, mineral, or synthetic waxes, each product carries our commitment to environmental responsibility: reducing carbon footprint, advancing green manufacturing, and empowering customers in their transition to sustainable products.





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# WAXES

## BEESWAX

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.

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



## BEESWAX: PRODUCT LIST

Trade name	Color	Drop Point	Properties	Approvals
<b>Cerapharm® White Beeswax 1001</b>	Ivory White	61-66°C	Pure, fine white beeswax, pharmaceutical grade	1)2)6)7)9)
<b>Cerapharm® White Beeswax 1002</b>	Off White	61-66°C	Pure, very white beeswax, pharmaceutical grade	1)2)6)7)9)
<b>Cerapharm® Yellow Beeswax 1003</b>	Light Yellow	61-66°C	Pure, moderately bleached, fine filtered, pharmaceutical grade	1)2)6)7)9)
<b>Cerapharm® Yellow Beeswax 1004</b>	Yellow to Brownish	61-66°C	Pure, mildly bleached, fine filtered, pharmaceutical grade	1)2)6)7)9)
<b>Cerapharm® Organic Beeswax 1005</b>	Ivory White	61-66°C	Pure and organic, free from any impurities, pharmaceutical grade	1)2)6)7)9)
<b>Cerapharm® Organic Beeswax 1006</b>	Light Yellow	61-66°C	Pure and organic, free from any impurities, pharmaceutical grade	1)2)6)7)9)
<b>Cerapharm® White Beeswax 1101</b>	Ivory White	61-66°C	Pure, super fine white beeswax, pharmaceutical / food grade	1)2)3)4)5)6)7)9)
<b>Cerapharm® Yellow Beeswax 1104</b>	Yellow to Pale Brown	61-66°C	Pure, mildly bleached, pharmaceutical / food grade	1)2)3)4)5)6)7)9)
<b>Cerafumei® White Beeswax 2001</b>	Ivory White	61-66°C	Pure, fine white beeswax, cosmetic grade	1)2)
<b>Cerafumei® White Beeswax 2002</b>	Off White	61-66°C	Pure, very fine white beeswax, low odor, cosmetic grade	1)2)
<b>Cerafumei® White Beeswax 2002L</b>	Pale Yellow to White	62-67°C(MP)	Pure white beeswax, low acid value, cosmetic grade	1)2)
<b>Cerafumei® Yellow Beeswax 2003</b>	Light Yellow	61-66°C	Pure, moderately bleached, fine filtered, cosmetic grade	1)2)
<b>Cerafumei® Yellow Beeswax 2004</b>	Yellow to Brownish	61-66°C	Pure, mildly bleached, fine filtered, cosmetic grade	1)2)

### Approvals:

Cosmetics: European Cosmetics Regulation (No.1223/2009) <sup>1)</sup>, the Catalogue of Used Cosmetic Raw Materials (2021) <sup>2)</sup>  
 Food additive/Food contact: EU (E901) <sup>3)</sup>, US (FDA 21 CFR 184.1973) <sup>4)</sup> and China (GB 1886.87-2015) <sup>5)</sup>  
 Pharmacopoeia: EP (Monograph No.69/No.70) <sup>6)</sup>, US (USP/NF) <sup>7)</sup>, China (ChP Catalogue 4) <sup>8)</sup>, BP (Monograph No.69/No.70) <sup>9)</sup>  
 INCI: Beeswax





# 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)
Cerafumei® Sunflower Wax 5301MB*	White to Light Yellow	74-80°C	≤8 mg KOH/g	1)2)

### Approvals:

Cosmetics: European Cosmetics Regulation (No.1223/2009) <sup>1)</sup>, the Catalogue of Used Cosmetic Raw Materials (2021) <sup>2)</sup>

INCI: Helianthus Annuus (Sunflower) Seed Wax

\*INCI: Helianthus Annuus (Sunflower) Seed Wax, Ascorbyl Palmitate, Tocopherol, Helianthus Annuus (Sunflower) Seed Oil



# 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) <sup>1)</sup>, the Catalogue of Used Cosmetic Raw Materials (2021) <sup>2)</sup>

Food additive/Food contact: US (FDA 21 CFR 172.890)<sup>3)</sup>

INCI: Oryza Sativa (Rice) Bran Wax



# 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 5102	Pale White	Pellets	48-54°C	5-35 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)

### Approvals:

Cosmetics: European Cosmetics Regulation (No.1223/2009) <sup>1)</sup>, the Catalogue of Used Cosmetic Raw Materials (2021) <sup>2)</sup>

Food additive/Food contact: US (FDA 21 CFR 186.1555) <sup>3)</sup>

INCI: *Rhus Succedanea* Fruit Wax





# CANDELILLA WAX

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

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)

### Approvals:

Cosmetics: European Cosmetics Regulation (No.1223/2009) <sup>1)</sup>, the Catalogue of Used Cosmetic Raw Materials (2021) <sup>2)</sup>  
 Food additive/Food contact: EU (E902) <sup>3)</sup>, US (FDA 21 CFR 184.1976) <sup>4)</sup>  
 INCI: Euphorbia Cerifera (Candelilla) 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),  $\alpha$ -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. Thanks to its superior surface gloss and excellent thermal stability, it is ideal for color cosmetic products.

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
<b>Cerapharm® Carnauba Wax 1107</b>	Pale Yellow or Yellow	80-86°C	Flakes, low peroxide value	1)2)3)4)5)6)7)9)
<b>Cerafumei® Carnauba Wax 2009</b>	Yellow to Pale Brown	82-86°C	Flakes, standard quality	1)2)
<b>Cerafumei® Carnauba Wax 2011</b>	Pale Yellow or Yellow	82-86°C	Flakes, standard quality	1)2)
<b>Cerafumei® Carnauba Wax 2012</b>	Pale Yellow or Yellow	82-86°C	Pellets, low peroxide value, low resin content	1)2)

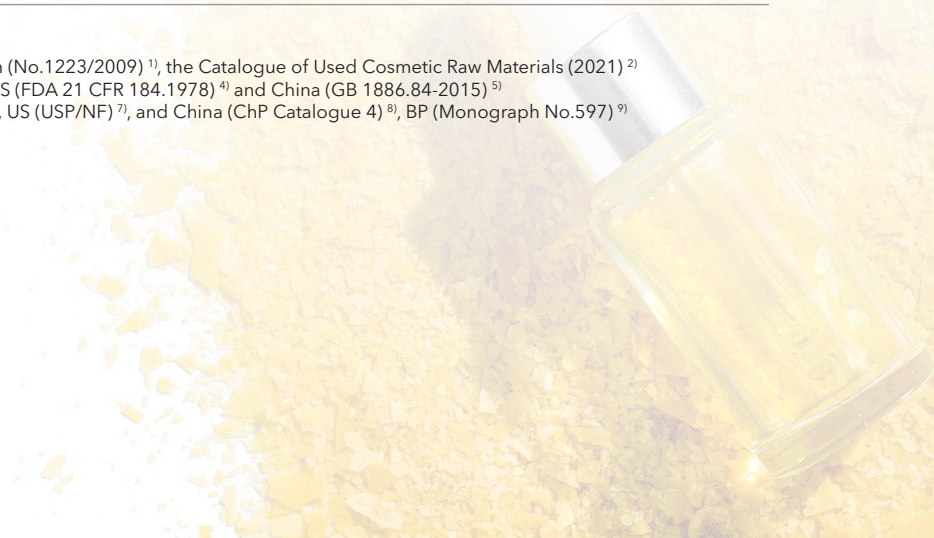
### Approvals:

Cosmetics: European Cosmetics Regulation (No.1223/2009) <sup>1)</sup>, the Catalogue of Used Cosmetic Raw Materials (2021) <sup>2)</sup>

Food additive/Food contact: EU (E903) <sup>3)</sup>, US (FDA 21 CFR 184.1978) <sup>4)</sup> and China (GB 1886.84-2015) <sup>5)</sup>

Pharmacopoeia: EP (Monograph No.597) <sup>6)</sup>, US (USP/NF) <sup>7)</sup>, and China (ChP Catalogue 4) <sup>8)</sup>, BP (Monograph No.597) <sup>9)</sup>

INCI: Copernicia Cerifera (Carnauba) Wax







# 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 and gloss, making it highly effective at enhancing the structural integrity of stick formulations.

FUMEI provides a series of hard paraffin waxes with different melting points to meet diverse application needs in stick color cosmetics and skincare formulations.

## PARAFFIN WAX: PRODUCT LIST

Trade name	MP	Congeaing Point	Oil Content	Color (Saybolt)	Needle Penetration (25°C) (1/10 mm)	Kinematic Viscosity (100°C) mm <sup>2</sup> /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) <sup>1)</sup>, the Catalogue of Used Cosmetic Raw Materials (2021) <sup>2)</sup>

Food additive/Food contact: US (FDA 21 CFR 172.886) <sup>3)</sup>, China (GB1886.26-2016) <sup>4)</sup>

Pharmacopoeia: EU (Monograph No.1034) <sup>5)</sup>, US (USP/NF) <sup>6)</sup>, and China (ChP Catalogue 4) <sup>7)</sup>, BP (Monograph No.1034) <sup>8)</sup>

INCI: Paraffin



# 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. It effectively imparts toughness, enhances spreadability, and stabilizes the formulation, making it suitable for a variety of stick color cosmetics, skincare, and hair care products.

## MICROCRYSTALLINE WAX: PRODUCT LIST

Trade name	Drop Melting Point	Congeeing Point	Oil Content	Color (Saybolt)	Needle Penetration (25°C) (1/10 mm)	Kinematic Viscosity mm <sup>2</sup> /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 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:

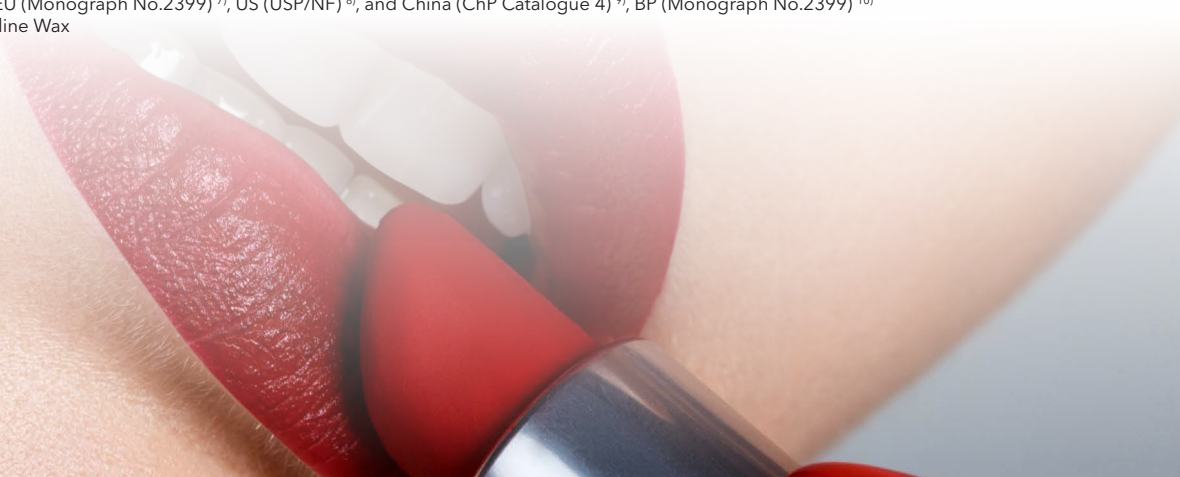
Cosmetics: European Cosmetics Regulation (No.1223/2009) <sup>1)</sup>, the Catalogue of Used Cosmetic Raw Materials (2021) <sup>2)</sup>

Colipa: Recommendation No. 14 lip and oral care products <sup>3)</sup>

Food additive/Food contact: EU (E905) <sup>4)</sup>, US (FDA 21 CFR 172.886) <sup>5)</sup>, China (GB22160-2008) <sup>6)</sup>

Pharmacopoeia: EU (Monograph No.2399) <sup>7)</sup>, US (USP/NF) <sup>8)</sup>, and China (ChP Catalogue 4) <sup>9)</sup>, BP (Monograph No.2399) <sup>10)</sup>

INCI: Microcrystalline Wax





# OZOKERITE WAX

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

Nowadays ozokerite waxes for cosmetics are synthesized from petroleum, exactly like microcrystalline wax or its blend with paraffin wax. They 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	Congeaing 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® 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) <sup>1)</sup>, the Catalogue of Used Cosmetic Raw Materials (2021) <sup>2)</sup>

Food additive/Food contact: US (FDA 21 CFR 172.886 and 178.3710) <sup>3)</sup>

INCI: Ozokerite





# 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	Congeaing point	Color	Needle Penetration (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)
Synfumei® Synthetic Wax 6603	75-90°C	75-82°C	White	5-15	1)2)3)

### Approvals:

Cosmetics: European Cosmetics Regulation (No.1223/2009) <sup>1)</sup>, the Catalogue of Used Cosmetic Raw Materials (2021) <sup>2)</sup>

Food additive/Food contact: US (FDA 21 CFR 172.615, 175.250) <sup>3)</sup>

INCI: Synthetic Wax

# WAX DERIVATIVES

## CireEster BW1822

CireEster BW1822 is a natural-derived, multi-functional wax ester that reimagines what beeswax can do.



As a refined beeswax derivative, it elevates the performance of natural beeswax: with enhanced sensory properties, superior oil-gelling capacity, optimized emulsion stability and rheological performance, it becomes an ideal choice for premium cosmetics, including sticks, decorative cosmetics, foundations, skincare emulsions, and clean beauty formulations.

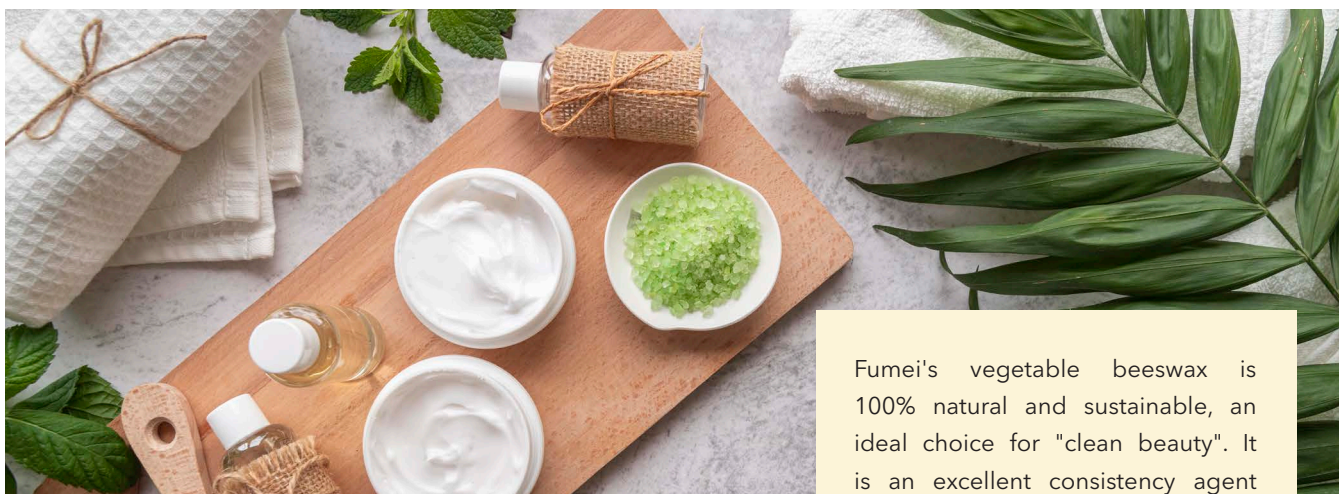
### WAX DERIVATIVES: PRODUCT LIST

Trade name	INCI	Color	Congeaing Point	Acid Value (mg KOH/g)	Saponification Value (mg KOH/g)
CireEster BW1822	Stearyl Beeswax (and) Behenyl Beeswax	Light yellow	64-69°C	≤3%	78-90

# WAX SUBSTITUTE

## VEGETABLE BEESWAX

Vegetable beeswax is a mixture of various vegetable oils and waxes, it mimics the characteristics 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. Furthermore, 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	Acid Value (mg KOH/g)	Saponification Value (mg KOH/g)
Cerafumei® VB 4101	Helianthus Annuus (Sunflower) Seed Wax, Olea Europaea (Olive) Oil Unsaponifiables (and) Rhus Succedanea Fruit Wax (and) Shorea Robusta Resin	Pale yellow to yellow pellets	68-74°C	4-10	70-80
Cerafumei® VB 4102	Oryza Sativa (Rice) Bran Wax (and) Hydrogenated Coconut Oil (and) Hydroxystearic Acid	Pale yellow pellets	73-81°C	21-32	135-155



# SYNTHETIC BEESWAX

## SYNTHETIC BEESWAX: PRODUCT LIST

Trade name	INCI	Color	Drop Point	Properties	Approvals
Cerafumei® Synthetic Beeswax 3001*	Microcrystalline Wax (and) Hydrogenated Vegetable Oil (and) Beeswax (and) Hydrogenated Palm Acid (and) Stearyl Stearate	White	61-66°C	A blend of beeswax with other ingredients, substitute of natural white beeswax	1)2)
Cerafumei® Synthetic Beeswax 3003	Microcrystalline Wax (and) Hydrogenated Vegetable Oil (and) Beeswax (and) Hydrogenated Palm Acid (and) Stearyl Stearate	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*	Paraffin (and) Microcrystalline Wax (and) Beeswax (and) Glycol Distearate (and) Stearic Acid	White	61-66°C	A cost-effective natural beeswax substitute, comply with REACH and RSPO	1)2)
Cerafumei® Synthetic Beeswax 4101*	Paraffin (and) Microcrystalline Wax (and) Hydrogenated Palm Oil (and) Stearic Acid	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) <sup>1)</sup>, China Cosmetics Raw Material Name List (2013) <sup>2)</sup>  
Food additive/Food contact: EU (E901) <sup>3)</sup>, US (FDA 21 CFR 184.1973) <sup>4)</sup> and China (GB 1886.87-2015) <sup>5)</sup>  
Pharmacopoeia: EP (Monograph No.69/No.70) <sup>6)</sup>, US (USP/NF) <sup>7)</sup>, China (ChP Catalogue 4) <sup>8)</sup>, BP (Monograph No.69/No.70) <sup>9)</sup>

# SYNTHETIC CANDELILLA WAX

## SYNTHETIC CANDELILLA WAX: PRODUCT LIST

Trade name	INCI	Color	Drop Point	Acid Value
Synfumei® Synthetic Candelilla Wax 6702	Paraffin (and) Copernicia Cerifera (Carnauba) Wax (and) Glycol Montante (and) Shorea Robusta Resin	Pale Yellow or Yellow	76-82°C	12-22 mg KOH/g



# PLASTICIZER

## CireEster 1838SP

CireEster 1838SP is a high melting soft ester wax that is manufactured from natural fatty acids and synthetic fatty alcohols. It delivers excellent plasticizing properties that enhance formulation consistency, texture and stability. This specialty wax effectively addresses issues such as graininess caused by the migration and aggregation of solids, while also preventing crystallization ("seeding").

As a multifunctional plasticizer, CireEster 1838SP is suitable for a wide range of applications including color cosmetics, skin care, hair care, and SPF products. It delivers the desired creamy texture and consistent stability, while its high melting point and resistance to oil migration ensure superior performance and a refined sensory experience across all formulations.



### PLASTICIZER: PRODUCT LIST

Trade name	INCI	Color	Congeaing Point	Acid Value (mg KOH/g)	Saponification Value (mg KOH/g)	Penetration (dmm @ 25°C)
CireEster 1838SP	C18-38 Alkyl Hydroxystearoyl Stearate	Yellow	75-90°C	≤3	86-98	30-60



TEXTURE & STABILITY ENHANCER



# CireEster 2040GH

CireEster 2040GH is a high melting point, hard ester wax that is manufactured from natural fatty acids and synthetic alcohols. It is predominantly composed of straight-chain esters with chain lengths ranging from approximately C38 to C58. This wax exhibits excellent oil-gelling capacity and broad compatibility with various oils, especially with silicon oils.

CireEster 2040GH can enhance the texture and provide desired hardness and stability in in sticks and decorative cosmetics. What’s more, it can also function as a consistency regulator and stabilizer in both W/O and O/W emulsions.

## TEXTURE & STABILITY ENHANCER: PRODUCT LIST

Trade name	INCI	Color	Congeaing Point	Acid Value (mg KOH/g)	Saponification Value (mg KOH/g)
CireEster 2040GH	C20-40 Alkyl Stearate	White to light yellow	77-84°C	<3	62-73





# EMOLLIENTS

## 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 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® VL 6804	Bis-Diglyceryl Polyacyladipate-2	Yellowish paste	32-37	/

# WHITE PETROLATUM

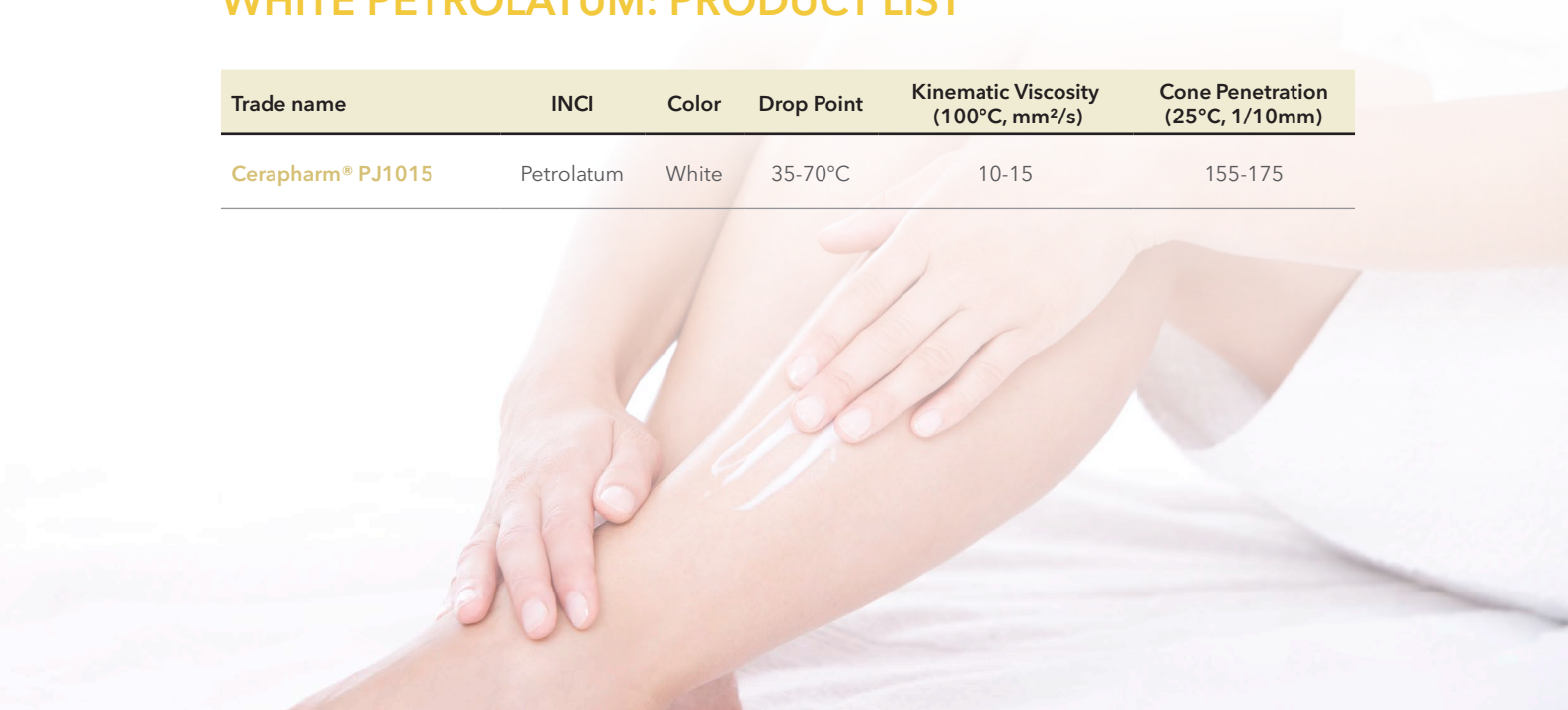
Cerapharm® PJ1015 is a highly purified white petrolatum developed through advanced refining technology. Its multi-stage purification process removes impurities and oxidation byproducts, ensuring superior stability and reduced skin irritation risk. This pharmaceutical-grade ingredient is ideal for premium skincare and baby care formulations, offering gentle protection for sensitive skin.

As a classic moisturizing ingredient, white petrolatum forms an occlusive protective film to reduce moisture evaporation. It is commonly used in lip balms, hand creams, and body lotions to nourish dry, cracked skin. Additionally, it serves as a base ingredient to enhance formulation spreadability. Through strategic blending, it optimizes skin feel and adapts to long-lasting hydration needs across various skin types.



## WHITE PETROLATUM: PRODUCT LIST

Trade name	INCI	Color	Drop Point	Kinematic Viscosity (100°C, mm²/s)	Cone Penetration (25°C, 1/10mm)
Cerapharm® PJ1015	Petrolatum	White	35-70°C	10-15	155-175



# EMULSIFIER



## 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) Cetareth-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) <sup>1)</sup>, the Catalogue of Used Cosmetic Raw Materials (2021) <sup>2)</sup>  
Pharmacopoeia: US (USP/NF) <sup>3)</sup>, BP <sup>4)</sup>



# 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



# PRESSED POWDER BINDER



Cerafumei® series wax powder is made of 100% vegetable wax through superfine grinding process, which is environmentally friendly and biodegradable.

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.

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.

## PRESSED POWDER BINDER: 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
Cerapharm® Carnauba Wax 1106	Copernicia Cerifera (Carnauba) Wax	Pale yellow or yellow	Spherical	80-86°C	< 100
Synfumei® Wax Powder 6601RP15	Synthetic Wax	White	Irregular	108-118°C	≤ 15

# CERTIFICATIONS AND COMPLIANCE

	Vegan	100% Natural	ISO 16128 NOI	COSMOS APPROVED	RSPO	Halal	Kosher	MUI
Waxes								
Cerapharm® White Beeswax 1001		●	1.00	●		●	●	●
Cerapharm® White Beeswax 1002		●	1.00	●		●	●	●
Cerapharm® Yellow Beeswax 1003		●	1.00	●		●	●	●
Cerapharm® Yellow Beeswax 1004		●	1.00	●		●	●	●
Cerapharm® Organic Beeswax 1005		●	1.00	●		●	●	●
Cerapharm® Organic Beeswax 1006		●	1.00	●		●	●	●
Cerapharm® White Beeswax 1101		●	1.00	●		●	●	●
Cerapharm® Yellow Beeswax 1104		●	1.00	●		●	●	●
Cerafumei® White Beeswax 2001		●	1.00	●		●	●	●
Cerafumei® White Beeswax 2002		●	1.00	●		●	●	●
Cerafumei® White Beeswax 2002L		●	1.00	●		●	●	●
Cerafumei® Yellow Beeswax 2003		●	1.00	●		●	●	●
Cerafumei® Yellow Beeswax 2004		●	1.00	●		●	●	●
Cerafumei® Sunflower Wax 5301	●	●	1.00	●		●	●	●
Cerafumei® Rice Bran Wax 5401N	●	●	1.00	●		●	●	
Cerafumei® Sumac Wax 5102	●	●	1.00	●		●	●	●
Cerafumei® Sumac Wax 5104	●	●	1.00	●		●	●	●
Cerafumei® Candelilla Wax 5501	●	●	1.00	●		●	●	
Cerapharm® Carnauba Wax 1107	●	●	1.00	●		●	●	●
Cerafumei® Carnauba Wax 2009	●	●	1.00	●		●	●	●
Cerafumei® Carnauba Wax 2011	●	●	1.00	●		●	●	●
Cerafumei® Carnauba Wax 2012	●	●	1.00	●		●	●	●
Parafumei® Paraffin Wax 7101	●		0.00			●	●	●
Parafumei® Paraffin Wax 7201	●		0.00			●	●	●
Parafumei® Paraffin Wax 7301	●		0.00			●	●	●
Parafumei® Paraffin Wax 7401	●		0.00			●	●	●
Parafumei® Paraffin Wax 7501	●		0.00			●	●	●
Parafumei® Paraffin Wax 7601	●		0.00			●	●	●
Microfumei® Microcrystalline Wax 6102	●		0.00			●	●	●
Microfumei® Microcrystalline Wax 6302	●		0.00			●	●	●
Microfumei® Microcrystalline Wax 6303	●		0.00			●	●	●
Microfumei® Microcrystalline Wax 6304	●		0.00			●	●	●
Microfumei® Microcrystalline Wax 6305	●		0.00			●	●	●
Cerafumei® Ozokerite Wax 6501	●		0.00			●	●	
Cerafumei® Ozokerite Wax 6503	●		0.00			●	●	
Cerafumei® Ozokerite Wax 6504	●		0.00			●	●	
Synfumei® Synthetic Wax 6601	●		0.00			●		
Synfumei® Synthetic Wax 6602	●		0.00			●		
Synfumei® Synthetic Wax 6603	●		0.00			●		



	Vegan	100% Natural	ISO 16128 NOI	COSMOS APPROVED	RSPO	Halal	Kosher	MUI
<b>Wax Derivatives</b>								
CireEster BW1822			1.00					
<b>Wax Substitute</b>								
Cerafumei® VB 4101	●	●	1.00					
Cerafumei® VB 4102	●		1.00					
Cerafumei® Synthetic Beeswax 3001			0.625			●	●	
Cerafumei® Synthetic Beeswax 3003			0.50			●	●	
Cerafumei® Synthetic Beeswax 3101			0.64		MB	●	●	
Cerafumei® Synthetic Beeswax 4101	●		0.45		MB	●	●	
Synfumei® Synthetic Candelilla Wax 6702	●		0.33			●	●	
<b>Plasticizer</b>								
CireEster 1838SP	●		0.50					
<b>Texture &amp; Stability Enhancer</b>								
CireEster 2040GH	●		0.35		MB			
<b>Emollients</b>								
Sensgel® VP 6801H	●		1.00		MB			
Sensgel® VL 6804	●		0.87		MB			
Cerapharm® PJ1015	●		0.00			●	●	
<b>Emulsifier</b>								
Cerapharm® Nonionic Emulsifying Wax NF 4003	●		0.80		MB	●		
Cerapharm® Nonionic Emulsifying Wax BP 4004	●		0.80		MB	●		
Cerafumei® Nonionic Emulsifying Wax 4005	●		0.80		MB	●		
<b>Natural Exfoliants</b>								
Cerafumei® Wax Beads RBW 5401P	●	●	1.00	●		●	●	
<b>Pressed Powder Binder</b>								
Cerafumei® Wax Powder RBW 5401SP15	●	●	1.00	●		●	●	
Cerafumei® Wax Powder RBW 5401RP15	●	●	1.00	●		●	●	
Cerafumei® Wax Powder CW 1105SP15	●	●	1.00	●		●	●	●
Cerafumei® Wax Powder CW 1105RP15	●	●	1.00	●		●	●	●
Cerapharm® Carnauba Wax 1106	●	●	1.00	●		●	●	●
Synfumei® Wax Powder 6601RP15	●		0.00			●		



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