



**KahlJellies**

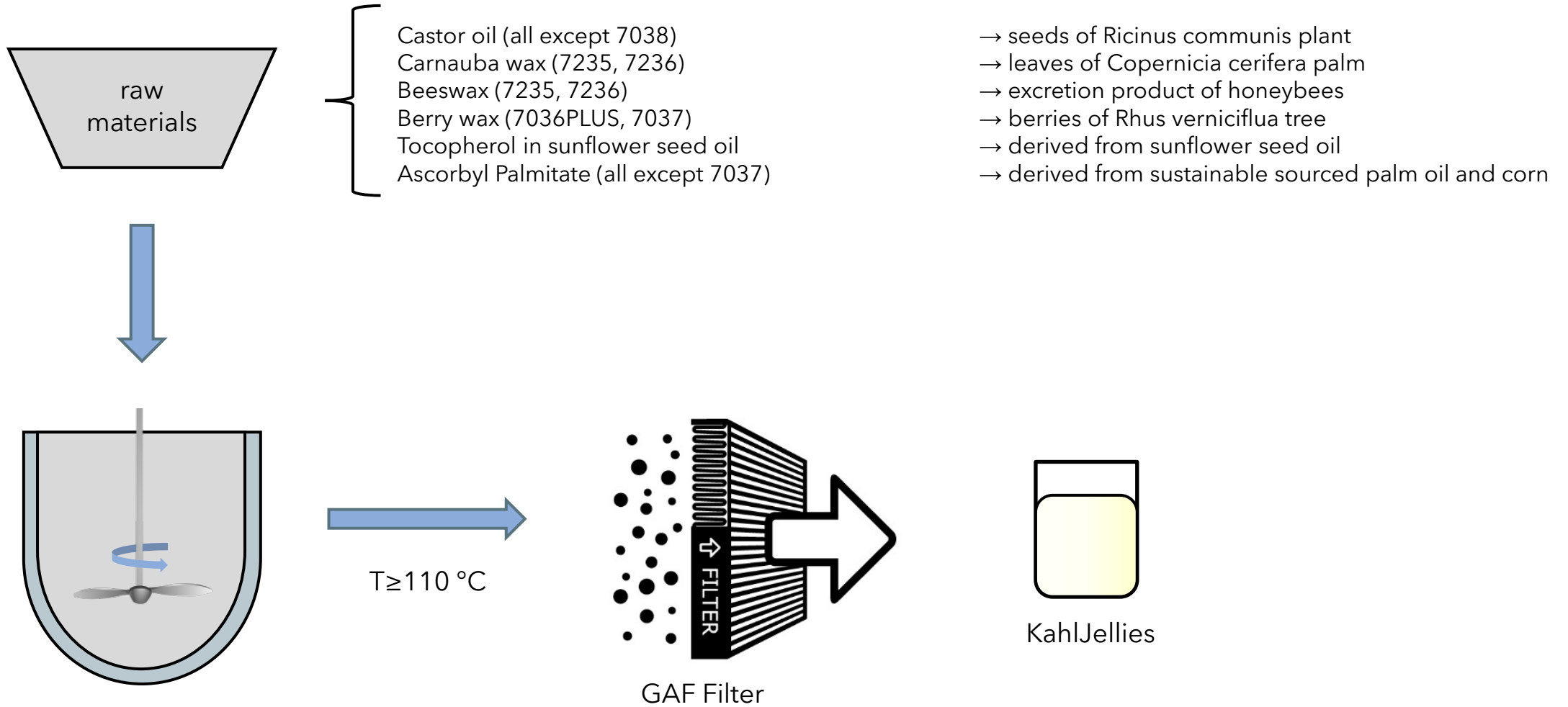
# Introduction



- unique blends of waxes and oils, which offer multifunctional activity
- initially designed as a natural petrolatum alternative, they have proven their value as functional ingredient in various formulations
- **7036PLUS MB** - vegan & natural quality
- **7037** - vegan & natural quality without ACP
- **7038** - vegan & natural economic quality
- **7235 MB** - natural quality
- **7236 MB** - organic quality



# Production flowchart



# Technical data - 7036PLUS



## INCI

Ricinus Communis Seed Oil, Rhus Verniciflua Peel Cera, Ascorbyl Palmitate, Tocopherol, Helianthus Annuus Seed Oil (EU)

Ricinus Communis (Castor) Seed Oil, Rhus Verniciflua Peel Wax, Ascorbyl Palmitate, Tocopherol, Helianthus Annuus (Sunflower) Seed Oil (USA/China)



## Appearance

pale opaque  
thixotropic jelly



## Parameters

melting range: 42-48 °C




cone penetration:  $150 \frac{1}{10}$  mm (at 25 °C)

recommended use level: 15-25 %

natural status acc. ISO 16128: NI: 1 / NOI: 1 / OI: 0 / OOI: 0

Regarding CSAR China compliance: this product is registered.



	<b>INCI</b>	Ricinus Communis Seed Oil, Rhus Verniciflua Peel Cera, Tocopherol, Helianthus Annuus Seed Oil (EU)  Ricinus Communis (Castor) Seed Oil, Rhus Verniciflua Peel Wax, Tocopherol, Helianthus Annuus (Sunflower) Seed Oil (USA/China)
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Regarding CSAR China compliance: this product is registered.





## INCI

Ricinus Communis Seed Oil, Cera Alba, Copernicia Cerifera Cera, Ascorbyl Palmitate, Tocopherol, Helianthus Annuus Seed Oil (EU)

Ricinus Communis (Castor) Seed Oil, Beeswax, Copernicia Cerifera (Carnauba) Wax, Ascorbyl Palmitate, Tocopherol, Helianthus Annuus (Sunflower) Seed Oil (USA/China)



## Appearance

pale opaque  
thixotropic jelly



## Parameters

melting range: 55-62 °C  
cone penetration:  $160 \frac{1}{10}$  mm (at 25 °C)  
recommended use level: 5-15 %  
natural status acc. ISO 16128: NI: 1 / NOI: 1 / OI: 0 / OOI: 0

Regarding CSAR China compliance: this product is registered.







## INCI

Ricinus Communis Seed Oil\*, Cera Alba\*, Copernicia Cerifera Cera\*, Ascorbyl Palmitate, Tocopherol, Helianthus Annuus Seed Oil (EU)

Ricinus Communis (Castor) Seed Oil\*, Beeswax\*, Copernicia Cerifera (Carnauba) Wax\*, Ascorbyl Palmitate, Tocopherol, Helianthus Annuus (Sunflower) Seed Oil (USA/China)



## Appearance

pale opaque  
thixotropic jelly



## Parameters

melting range: 55-62 °C  
cone penetration:  $160 \frac{1}{10}$  mm (at 25 °C)  
recommended use level: 10-20 %  
natural status acc. ISO 16128: NI: 1 / NOI: 1 / OI: 1 / OOI: 1

\* ingredients from organic farming



- plant-based alternative to petroleum jelly
- easy to emulsify and compatible with polar emollients
- can be used in all kinds of color cosmetics, skin, and hair care applications
- very useful to solve problems such as blooming or syneresis (oil bleeding)

- ✓ Skin Conditioner
- ✓ Re-fatting Agent
- ✓ Oil Binder/ Thickener
- ✓ Texture Enhancer
- ✓ Pay-off Enhancer
- ✓ Cosmetic Base

## Properties





work perfectly in formulations with effect pigments, dyes and UV filters



excellent pay-off enhancer in hard systems, such as hot poured products, pencils, sticks or body butter bars

it is possible to use them as basic ingredients (maximum use level 40 %) for anhydrous products, such as pomades or lip balms

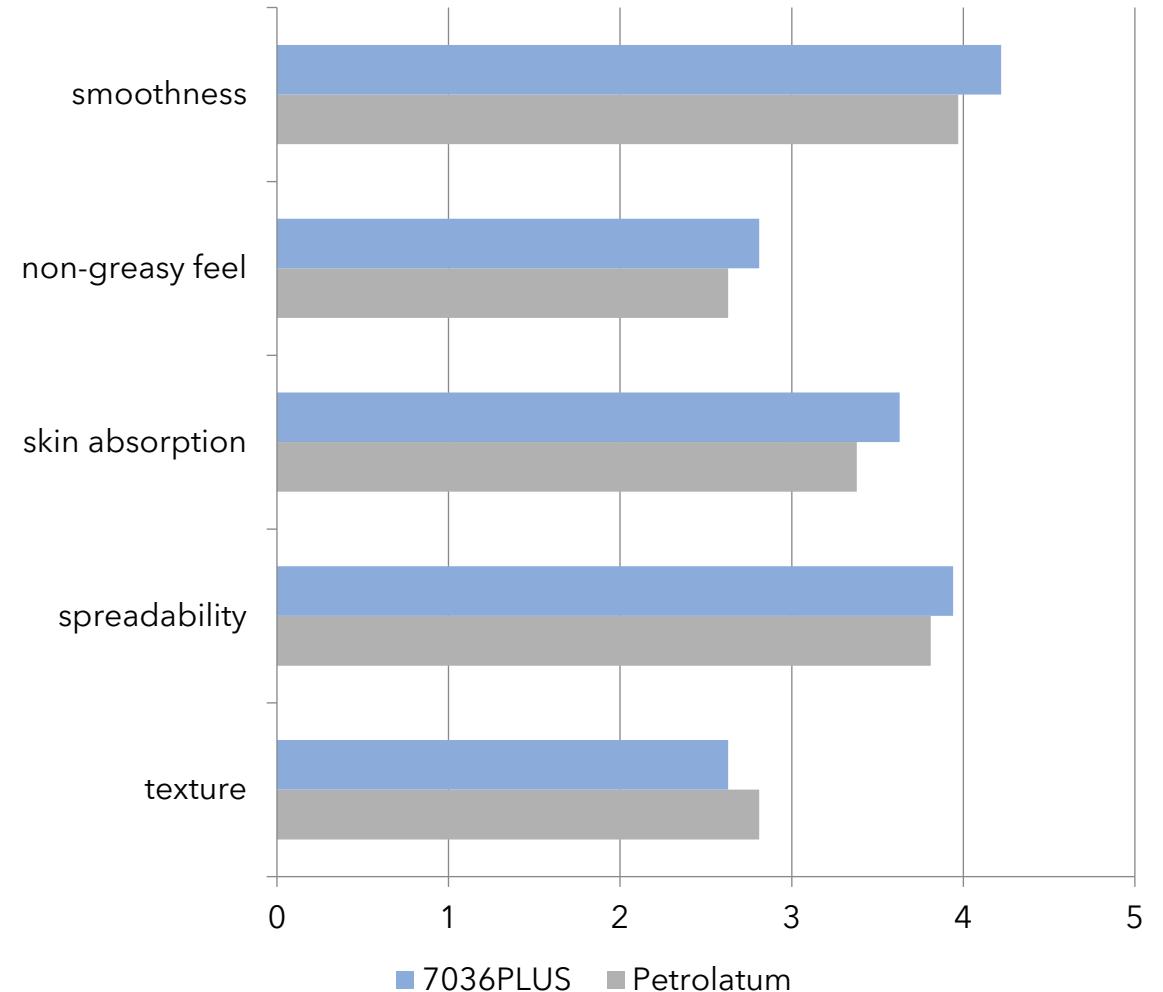
# Sensory analysis - 7036PLUS



paired comparison of an O/W emulsion with 5 % of each ingredient

rated on a score of 1 (poor) to 5 (excellent) by 16 volunteers

replacement of petrolatum by 7036PLUS does not result in a clearly noticeable difference in formulation properties



# Sensory analysis - 7236 MB

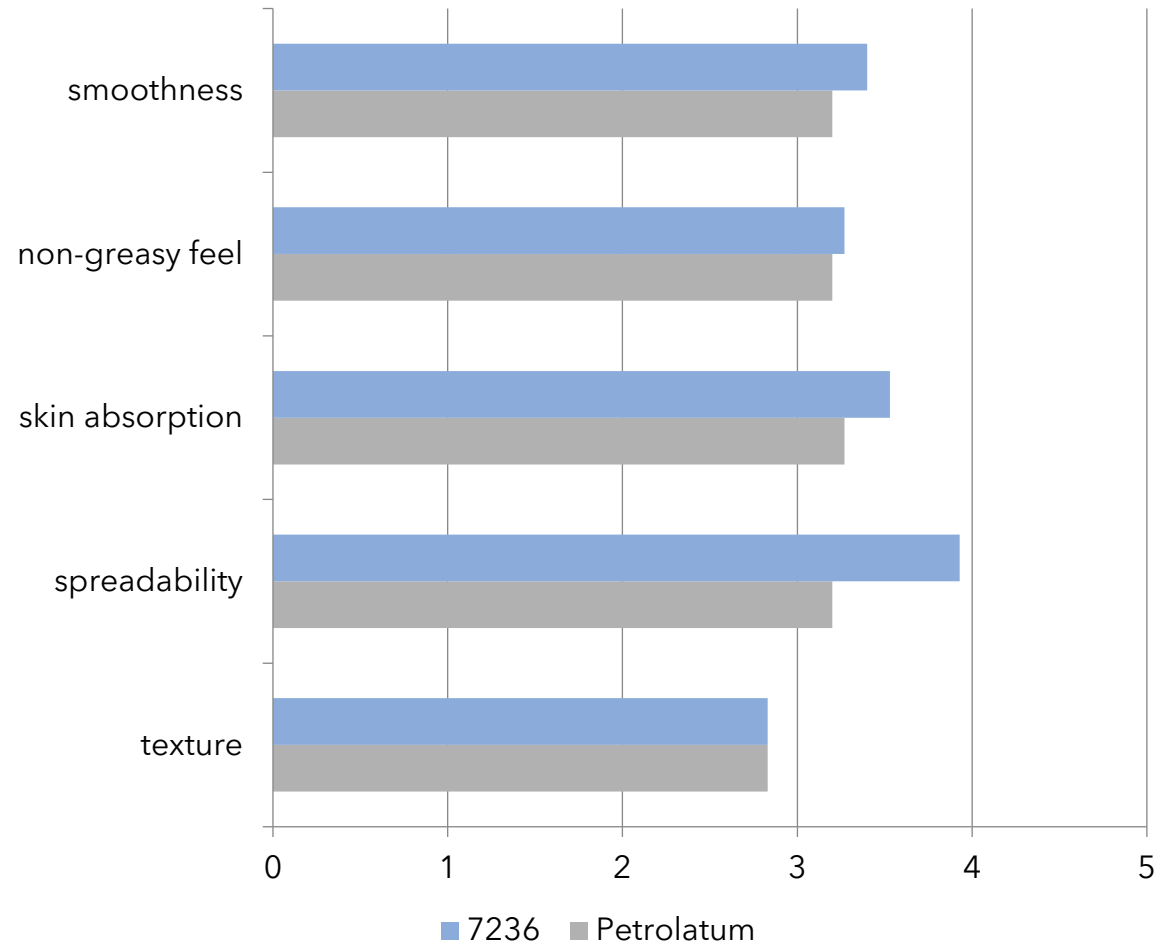


paired comparison of an O/W emulsion with 5 % of each ingredient

rated on a score of 1 (poor) to 5 (excellent) by 15 volunteers

replacement of petrolatum by 7236 does not result in a clearly noticeable difference in formulation properties

KahlJellies are the ideal alternatives

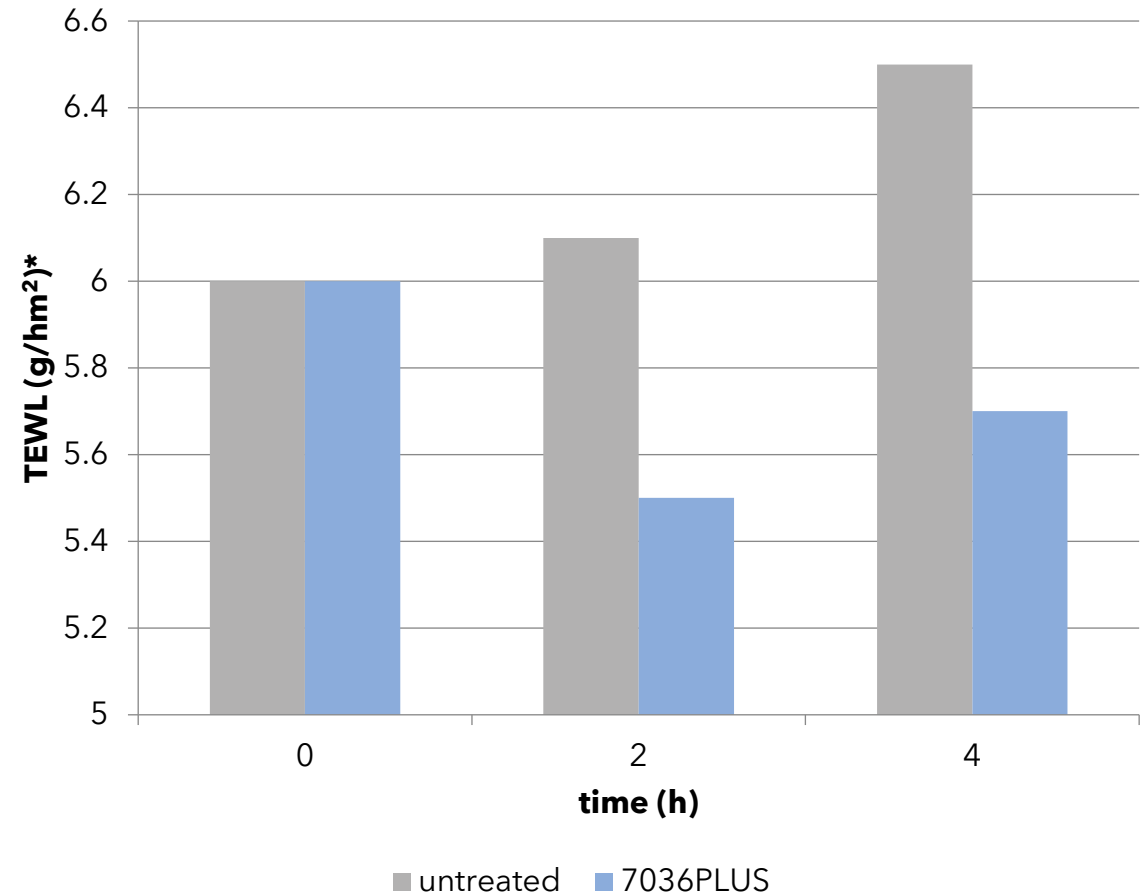


# TEWL analysis - 7036PLUS



TEWL on the inner forearm (defined test area) of 20 volunteers was determined by means of tewameter

7036PLUS decreases the TEWL significantly for about 4 hours after application



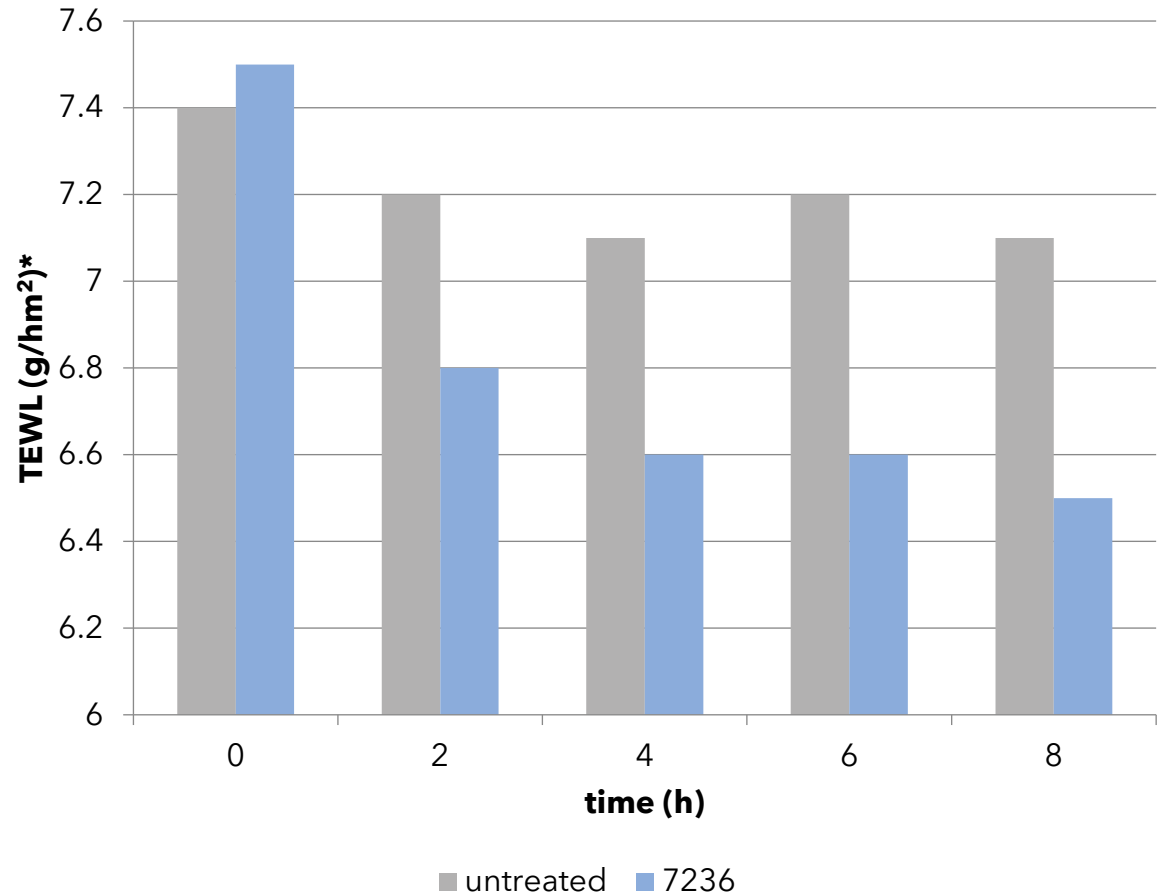
\*each value is the average of three measurements

# TEWL analysis - 7236 MB



TEWL on the inner forearm (defined test area) of 20 volunteers was determined by means of tewameter

7236 decreases the TEWL significantly over the whole period of 8 hours



\*each value is the average of three measurements

## KahlJelly 7036PLUS MB Vego



CC-LIP-026-06 | Sinister Cinnamon | lipstick | stick | 12.8 %

HC-STY-021-05 | The Fantastic 4 - 4-ways styling paste | hair paste | pot | 15.0 %

## KahlJelly 7037 Berry



CC-EYE-026-03 | All-time lover | under-eye concealer | 5.0 %



SC-BOD-046-02 | Vitalizing pineapple sorbet | body balm | pot | 47.7 %



SC-BOD-052-07 | Joystick | natural body balm | 46.7 %



SC-EYE-003-01 | Daily hero | eye cream | 5.0 %



SC-FAC-031-04 | After shave routine | after shave balm | 2.0 %

SC-LIP-039-07 | Unisex essential | lip balm | 18.3 %



SC-LIP-044-02 | Ductile Duckface | lip balm | stick | 50.5 %



## KahlJelly 7235 MB Natural

HC-STY-016-04 | Wolverine – wild style paste | matte hair paste | pot | 3.0 %

SC-BOD-052-02 | Anti-rubbing sport stick | body balm | twist-up stick | 47.2 %

SC-LIP-024-02 | Hang on my lips | natural opaque lip balm | stick | 43.5 %

## KahlJelly 7236 MB Organic

CC-LIP-025-04 | Briskly Bronze | metal lipstick | stick | 10.5 %

SC-LIP-004-03 | I save your lips | natural W/O lip balm | stick | 14.5 %



# Summary



unique blends of natural waxes and oils



perfect compromise between occlusivity and permeability



have a super soft, silky lip and skin feel and improve pay-off



suitable for natural cosmetics



KahlJelly 7038 Coco

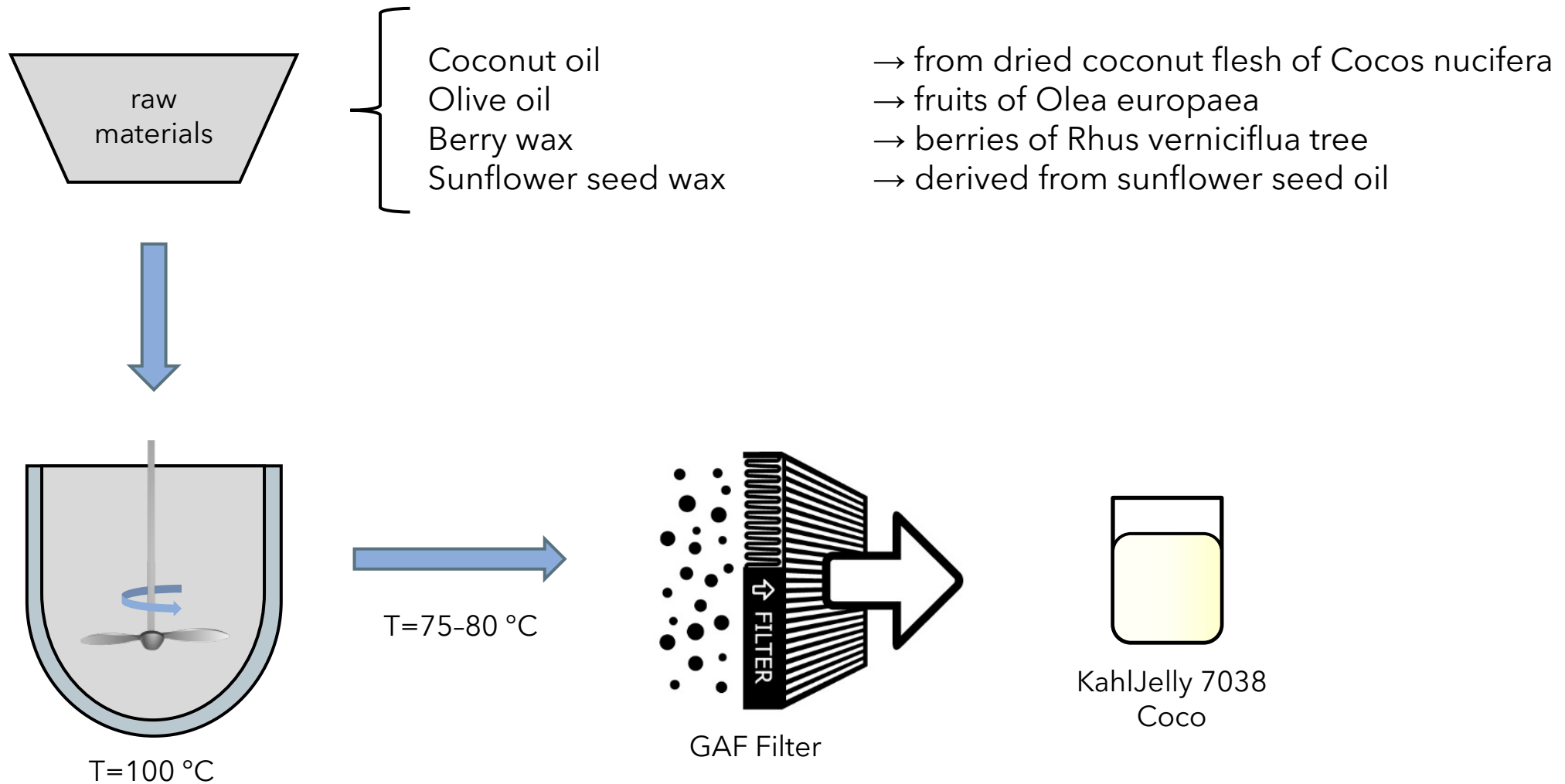
# Introduction



- cost-effective jelly suitable for vegan and natural cosmetic formulations
- it has a silky soft skin feel, is easily spreadable and can be used to balance hardness and enhance pay-off
- the main component is coconut oil, which is well established in the cosmetic industry and has shown to be effective in protecting hair from damage, as it is easily absorbed into the hair due to its structure

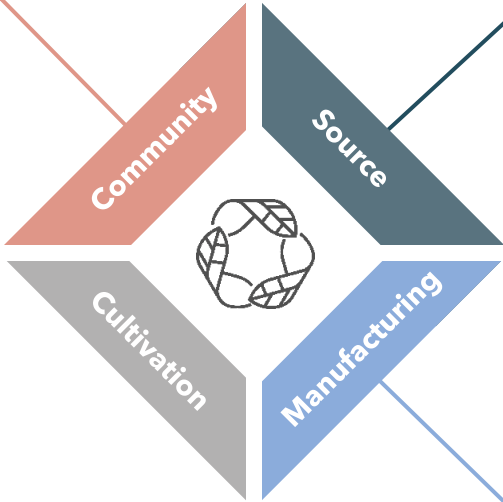


# Production flowchart





coconut oil is of organic  
certified quality







## INCI

Cocos Nucifera Oil, Olea Europaea Fruit Oil, Rhus Verniciflua Peel Cera, Helianthus Annuus Seed Cera (EU)

Cocos Nucifera (Coconut) Oil, Olea Europaea (Olive) Fruit Oil, Rhus Verniciflua Peel Wax, Helianthus Annuus (Sunflower) Seed Wax (USA/China)



## Appearance

off-white  
waxy solid



## Parameters

melting range: 58-64 °C

cone penetration:  $120 \frac{1}{10}$  mm (at 25 °C)

recommended use level: 2-30 %

natural status acc. ISO 16128: NI: 1 / NOI: 1 / OI: 0.6 / OOI: 0.6

Regarding CSAR China compliance: this product is registered.





- easy to emulsify and compatible with polar and non-polar emollients
- offers a light, silky-soft skin feel and spreads easily
- tasteless and has a neutral fragrance
- non-sticky and non-greasy

- ✓ Skin Conditioner
- ✓ Re-fatting Agent
- ✓ Oil Binder/ Thickener
- ✓ Texture Enhancer
- ✓ Pay-off Enhancer
- ✓ Cosmetic Base



## Properties





in hair care products like conditioners, masks, and hair oils, it builds a protective layer and improves combability works as a refatting, conditioning and anti-frizz agent

- recommended use level: Rinse-off: 0.5-10 %; Leave-in: 0.2-5 %



in hair styling products it provides a smooth texture and enhances the natural shine of hair; since it spreads easily, application is effortless

recommended use level:

- water free styling products: 20-80 %
- emulsion-based styling products & beard wax: 5-30 %



can be utilized in foundations, concealer, cream blush, pencils, and eyebrow pomades to enhance pay-off and to ease application due to its high spreadability

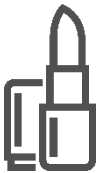
moisturizes without greasy or tacky skin feel

- recommended use level: 2-10 %



forms a protective layer, hydrates and soothes the skin in skin care products  
since it is quickly absorbed, not greasy or sticky, it is very suitable for hand creams and body lotions

- recommended use level: 2-15 %



as it has no taste, it is well suited for lip applications, where it moisturizes the sensitive skin and eases application due to its high spreadability

recommended use level:

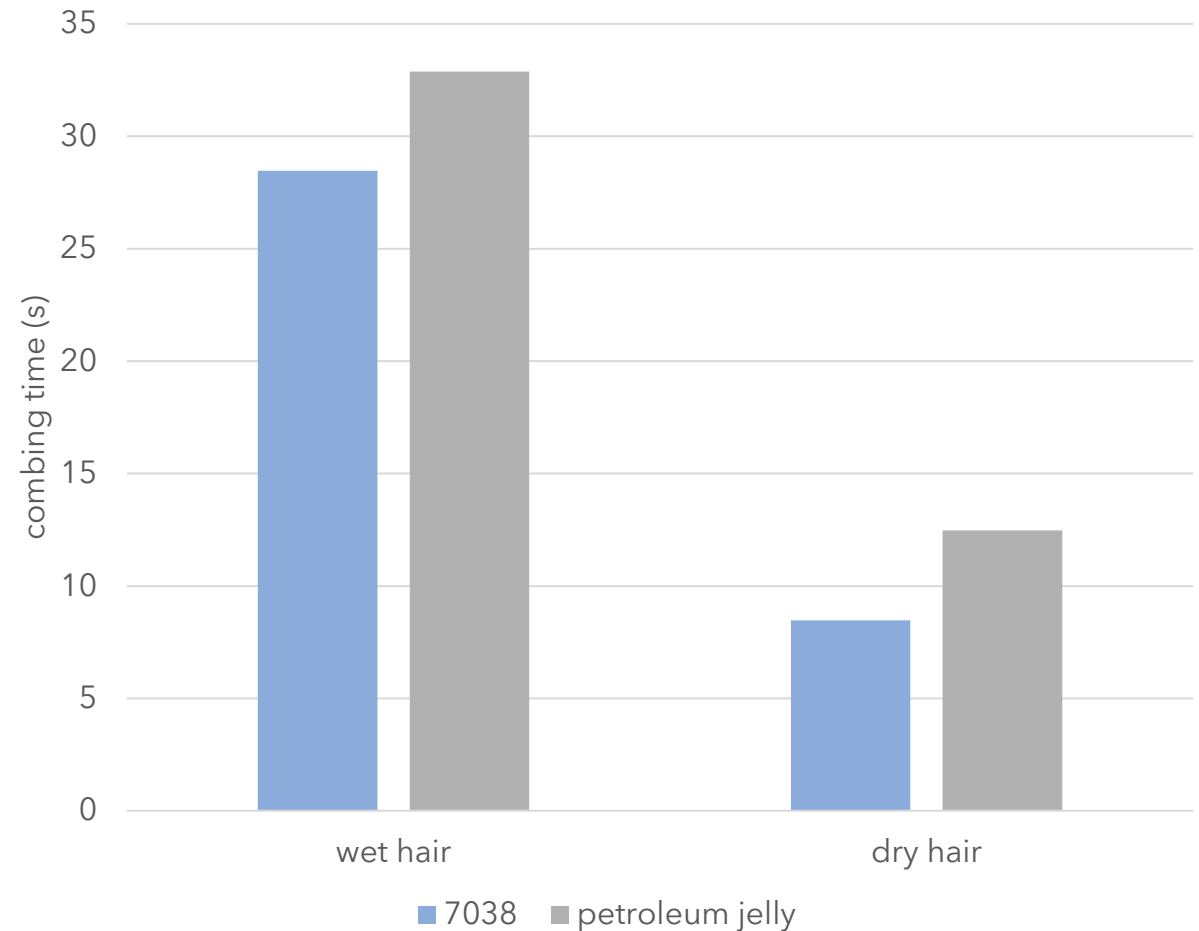
- lip gloss: 5-30 %; lipstick: 2-20 %; liquid lipstick: 2-5 %; lip cream: 2-5 %;
- lip balm (stick): 2-20 %; lip balm (pot): 2-5 %

# Combability study



combability was measured in a half-side study comparing two rinse-off conditioner containing 3 % 7038 against 3 % petrolatum after washing with a 15 % SLES (Sodium Laureth Sulfate) solution, the conditioners were applied and left on for 5 minutes the hair was rinsed thoroughly and combability was measured on wet and dry hair

KahlJelly 7038 Coco was able to improve the combability of the hair



# Formulations



HC-LEN-014-07 | Nice to see you nature | natural cream conditioner | tube | 6.0 %

HC-LEN-022-01 | Golden Coconut | hair mask | pot | 3.0 %

HC-LEN-024-01 | Good day clean | shampoo bar | bar | 6.0 %

HC-LEN-025-01 | Bye bye dreary | cream conditioner for fine hair | tube | 1.0 %

HC-LEN-026-02 | Bye bye dry | hair mask for dry hair | pot | 2.8 %

HC-LEN-037-07 | Wazzup healthy | conditioner bar | bar | 11.2 %

HC-LEN-038-01 | Hey care | scalp leave-on treatment | tube | 5.0 %

HC-LEN-040-01 | Howdy basic | shampoo bar | bar | 20.0 %



SC-HAN-011-01 | Piña Colada | solid hand cream | bar | 47.0 %



SC-HAN-011-06 | In need of love and moisture | solid hand cream | bar | 45.3 %

SC-LIP-004-07 | Coconut Kisses | W/O lip balm | stick | 16.0 %



All formulations are also vegan!



# Summary



special blend that offers a silky soft skin feel, is easily spreadable and can be used to balance hardness and enhance pay-off



multifunctional but especially recommended for hair care



cost-effective, colorless, and tasteless



suitable for natural cosmetics, vegan, and halal

