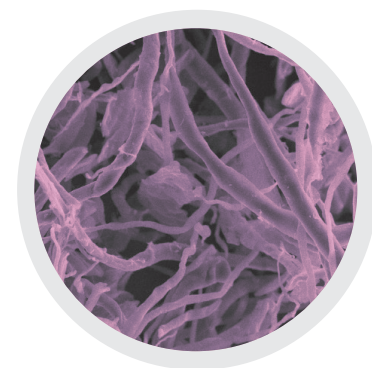


Fibers

Kobo offers a variety of natural and synthetic fibers in different lengths, thicknesses and shapes. They can be used to promote texturizing, soft focus, lengthening and volumizing effects in finished products.



Natural Fibers

CELL-U-LASH™ fibers are made of *cellulose*, a natural polymer, and vary in length from 20µm to 110µm; they are hydrophilic and disperse easily in the initial water phase of an emulsion. These fibers are an excellent choice for finished products containing natural ingredients.



SEM Image:
CELL-U-LASH™ 150

Nylon Fibers

Synthetic *Nylon* fibers are commonly used in mascara and eyebrow products for lengthening and volumizing effects.

Trade Name	INCI Name	Length	Diameter	Shape	Color	Notes
CELL-U-LASH™ 40	Cellulose	20-25µm	1-2µm	Conventional fiber strands	White	Natural; Hydrophilic; Volumizing; Soft Focus
CELL-U-LASH™ 90		60-75µm				Natural; Hydrophilic; Lengthening
CELL-U-LASH™ 150		80-110µm				
KNY-3D	Nylon-66 (And) Titanium Dioxide	1.2mm	3 Denier	Fiber of uniform length	White	Synthetic



KMU-023

Natural Eyebrow Filler

Part 1

- MICA S-ASG3 - Kobo Products: Mica (And) Stearoyl Glutamic Acid 15.65%
- ZNO-C-ASG3 - Kobo Products: Zinc Oxide (And) Stearoyl Glutamic Acid 15.65%
- BBO-ASG3 - Kobo Products: Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid 9.04%
- MSS-500W - Kobo Products: Silica 7.87%
- BRO-ASG3 - Kobo Products: Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid 5.50%
- BYO-ASG3 - Kobo Products: Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid 3.14%

Part 2

- Protachem™ CTG - Protameen: Caprylic/Capric Triglyceride 18.37%
- Cetiol® CC - Cognis Corp.: Dicaprylyl Carbonate 7.60%
- SunBoost ATB™ Natural - Kobo Products: Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol 4.75%
- COSMOL™ 43V - Ikeda: Polyglyceryl-2 Triisostearate 3.63%
- MAKIGREEN VELVET WAX - Daito/ Kobo Products: Vegetable Oil (And) Oryza Sativa (Rice) Bran Oil (And) Oryza Sativa (Rice) Bran Wax (And) Rhus Sucedanea Fruit Wax (And) Helianthus Annuus (Sunflower) Seed Oil 1.00%
- Carnauba Wax SP 63P - Strahl & Pitsch: Copernicia Cerifera (Carnauba) Wax 0.40%

Part 3

- Vegelight™ 1214 LC - Grant Industries, Inc.: Coconut Alkanes (And) Coco-Caprylate/Caprate 5.00%
- Polyaldo™ 10-1-0 K FG - Lonza: Polyglyceryl-10 Oleate 1.00%
- Lexgard® Natural - Inolex Chemical Company: Glyceryl Caprylate (And) Glyceryl Undecylenate 0.40%

Part 4

- CELL-U-LASH™ 40 - Kobo Products: Cellulose 1.00%

Manufacturing Procedure

1. Blend Part 1.
2. Heat Part 2 to 80 °C under propeller agitation.
3. Slowly add Part 1 to Part 2 under prop mixer and start to gradually cool.
4. Slowly add Parts 3 and 4, respectively, to Parts 1 and 2 at 45 °C.

Description

This natural eyebrow filler features Kobo's ASG treated fillers and pigments which help to impart color, payoff and adhesion to brows. Kobo's silica microsphere, MSS-500W, provides payoff and glide during application. SunBoost ATB™ Natural is a proprietary blend of anti-oxidant, anti-irritant and anti-inflammatory agents that nourishes brows. MAKIGREEN VELVET WAX provides a smooth, velvety feel and aids in stability. Kobo's cellulose fiber, CELL-U-LASH™ 40, fills in brows making them appear more voluminous.

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KMA-025A

Lengthening Mascara with KNY-3D

Part 1

● Beeswax White SP 422 - Strahl & Pitsch: <i>Beeswax</i>	8.00%
● Ozokerite Wax White SP 1020 - Strahl & Pitsch: <i>Ozokerite</i>	7.00%
● Carnauba Wax SP 63 - Strahl & Pitsch: <i>Copernicia Cerifera (Carnauba) Wax</i>	3.00%
● Dermofat 4919 - Alzo International Inc.: <i>Stearic Acid</i>	3.00%
● Microcrystalline Wax SP-89 - Strahl & Pitsch: <i>Microcrystalline Wax</i>	3.00%
● KOBOGUARD® 5400 SQ - Kobo Products: <i>Hydrogenated Polycyclopentadiene (And) Squalane</i>	2.00%
● Liposorb® SQO - Vantage: <i>Sorbitan Sesquioleate</i>	1.00%

Part 2

● Deionized Water - <i>Water</i>	40.45%
● W60BBNFAP-O - Kobo Products: <i>Iron Oxides (CI 77499)</i> <i>(And) Water (And) Ammonium Polyacrylate</i>	11.00%
● Triethanolamine 99 - Dow Chemical: <i>Triethanolamine</i>	1.00%
● Natrosol® 250 HHR - Hercules/Aqualon: <i>Hydroxyethylcellulose</i>	0.30%

Part 3

● KNY-3D - Kobo Products: <i>Nylon-66 (And) Titanium Dioxide</i>	2.00%
● DSPCS-I2 - Kobo Products: <i>Silica (And)</i> <i>Ethylene/Methacrylate Copolymer (And)</i> <i>Isopropyl Titanium Triisostearate</i>	1.50%
● Deionized Water - <i>Water</i>	1.00%
● Glydant Plus™ - Lonza Inc.: <i>DMDM Hydantoin</i> <i>(And) Iodopropynyl Butylcarbamate</i>	0.60%
● Germall® 115 - ISP: <i>Imidazolidinyl Urea</i>	0.15%

Part 4

● WSJ22BNF-O - Kobo Products: <i>Water (And)</i> <i>Acrylates/Ethylhexyl Acrylate Copolymer (And)</i> <i>Iron Oxides (CI 77499) (And) Sodium Acrylate/</i> <i>Sodium Acryloyldimethyl Taurate Copolymer</i> <i>(And) Aminomethyl Propanol</i>	15.00%
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Manufacturing Procedure

1. Heat Part 1 to 80°C in auxiliary tank.
2. In Part 2 while heating, add Natrosol® 250 HHR CS to deionized water under propeller mixing. Mix until Natrosol® 250 HHR CS is fully hydrated. Add the rest of Part 2. Heat to 80°C.
3. Add Part 1 to Part 2 in main tank with propeller and sweep agitation at 80°C.
4. Cool to 50°C.
5. Add Part 3 ingredients at 50°C.
6. Add Part 4 at 45°C.
7. Cool to 25 - 27°C.

Description

This mascara features Kobo's Nylon Fiber, **KNY-3D**, which gives a lengthening effect, while Kobo's Microsphere Complex, DSPCS-I2, is lightweight and provides volume to the lash without weight. Kobo's Resin Composite, KOBOGUARD® 5400 SQ, gives a quick build up with a water-resistant film and aids in long wear. Kobo's pigmentary dispersion, W60BBNFAP-O, is used in combination with WSJ22BNF-O to provide a deep black shade. The WSJ dispersion has film-forming properties. Both dispersions help to ease the manufacturing process.