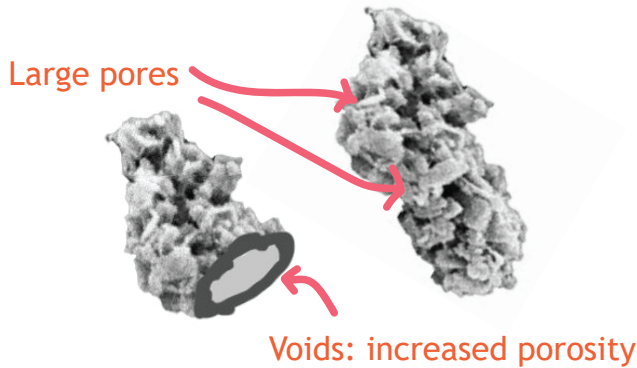
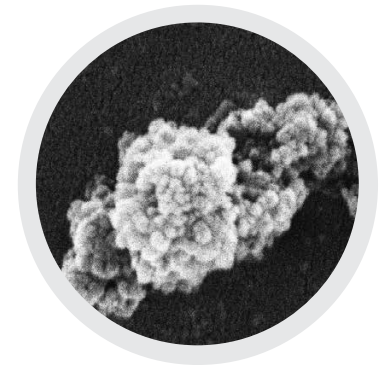


SILICA SHELLS

Hollow ellipsoids of highly porous Silica



SILICA SHELLS

INCI Name: *Silica*
Particle Size: 3 µm
Porosity: Highly Porous
Oil Absorption (g/100g): 490
Refractive Index: 1.47
NI / NOI ISO 16128: 0/1

SILICA SHELLS-SH

INCI Name: *Silica (And) Methoxy Amodimethicone/Silsequioxane Copolymer*
Particle Size: 3 µm
Porosity: Highly Porous
Oil Absorption (g/100g): 475
Refractive Index: 1.47
NI / NOI ISO 16128: 0/0.93

Advantages of SILICA SHELLS

Oil Absorption & Mattifying

Silica shells have a very high absorption capacity up to 5 times their own weight. This helps control shine and keep skin looking fresh throughout the day.

Enhanced Sensory Experience

Reduces tackiness while helping improve spreadability for smoother application.

Enhanced Wear in Lipsticks

Provides less feathering and smudging for extended formula longevity.

Available with Surface Treatment

Improves ease of formulation in oil phase and offers enhanced skin feel and adhesion.

Formulation Guidelines

- **Typical Use Level:** 1-15%.
- For easier formulation in oil phase, Amino Silicone treated SILICA SHELLS (SILICA SHELLS-SH) provide excellent hydrophobicity. They also absorb excess sebum without affecting any moisture on the skin.
- To prevent absorption of formula ingredients by SILICA SHELLS, they can be preloaded with a volatile liquid. When applied onto the skin, this volatile material will evaporate, leaving SILICA SHELLS empty and available to absorb sebum.



KOBO

USA

BRASIL

UK

FRANCE

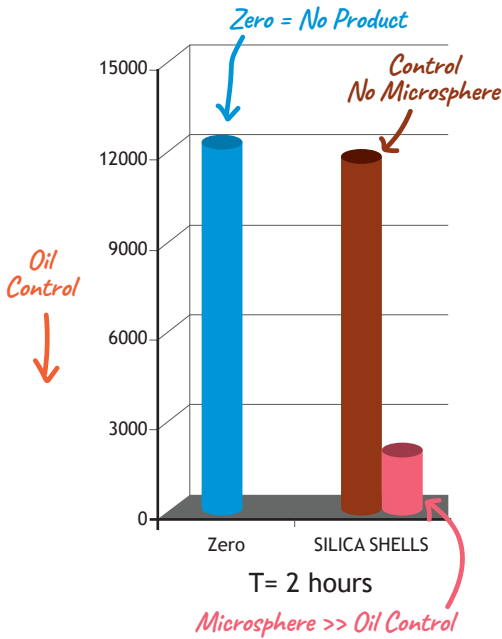
ASIA PACIFIC

Performance – In Vivo Study on Oil Absorption

Product type: Pressed Powder

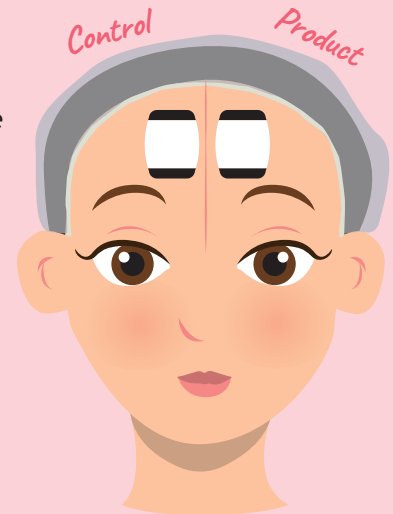
Samples: One control with no microspheres, one product with 1% SILICA SHELLS

Conclusion: Microspheres provide superior oil absorption in vivo with as low as 1%



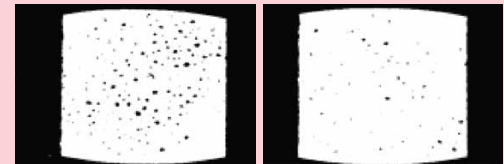
PROCEDURE:

1. Wash forehead and let dry.
2. Apply 'Control' on one side and 'Product' on the other side and wait 2 hours.
3. Place a Sebutape® adhesive patch on each side and leave it on for 3 minutes.



4. Scan Sebutapes® and import pictures in ImageJ. Convert to black and white (B/W) image.
5. Measure the number of black pixels in the square: the lowest the score, the highest the oil-control capacity

Sebutapes®
B/W scan



Control

Product



KPW-028

Natural Setting Powder

Part 1

- MICA S-ASG3 - Kobo Products: Mica (And) Stearoyl Glutamic Acid 92.35%
- SILICA SHELLS - Kobo Products: Silica 4.00%
- BYO-ASG3 - Kobo Products: Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid 0.30%
- BRO-ASG3 - Kobo Products: Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid 0.15%
- BBO-ASG3 - Kobo Products: Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid 0.10%
- Potassium Sorbate NF - Jeen International: Potassium Sorbate 0.10%

Part 2

- SunBoost ATB Natural - Kobo Products: Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol 3.00%

Manufacturing Procedure

1. Combine Part 1 and blend until uniform.
2. Add Part 2 to Part 1 and blend until uniform.

Description

This lightweight Natural Setting Powder has a translucent finish and sets makeup without looking chalky or dry. It features Kobo's ASG treated pigments and filler, which have a natural amino acid coating to provide a creamy feel and good skin adhesion. SILICA SHELLS is a high oil absorption Silica that helps to absorb excess facial oils. SunBoost ATB Natural is a proprietary ratio of three skin conditioning agents that contributes additional benefits.

KOBO

SILICA SHELLS

www.koboproducts.com