BEAUTÉ BY ROQUETTE® ST 005

If you are looking for a mineral powder alternative, Beauté by Roquette® ST 005, a native corn starch, is your solution.

Beauté by Roquette® ST 005 can be used in all application types, from dry powder to creamy texture and lotions. Our Beauté by Roquette® ST 005 will bring body and consistency to your formulation, as well as a final soft touch after application.

BENEFITS AT A GLANCE:

- Natural alternative to mineral powders
- Absorbent for oils & fats
- Soft touch and dry feel

INCI NAME:
Zea mays starch

PHYSICAL ASPECT:
White to slightly yellowish odourless powder

ORIGIN:
Corn starch

Sebum & sweat absorption capacities

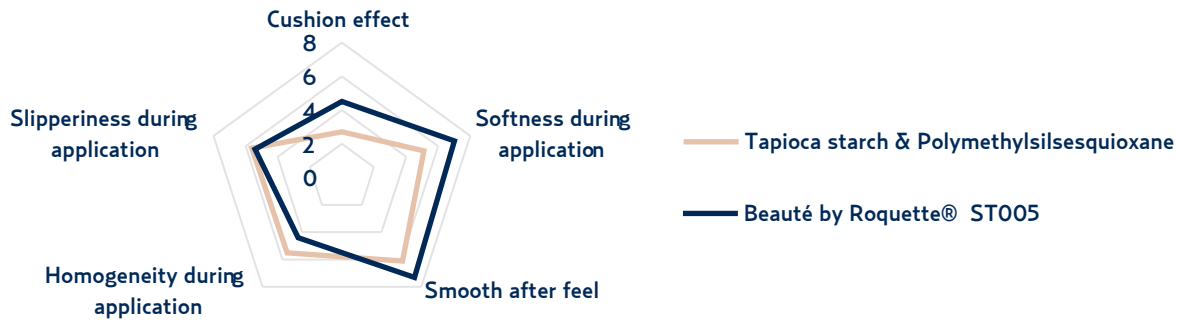
	Oil absorbed %		Water absorbed %	
Powders tested	Protocol 1	Protocol 2	Protocol 1	Protocol 2
Beauté by Roquette® ST 005 Zea Mays (Corn) Starch	53	75	48	70
Talc officinal	66	87	43	72
Tapioca Starch & Polymethylsilsesquioxane	49	78	43	88

Protocol 1
1. Mix 2.5g of powders with 5g of olive oil (or saline water)
2. Put the mixture on filter paper.
3. Store it under 25°C and 60% RH for 3 hours;
4. Remove the starch from the paper filter and mesure the weight of the oil (or saline water) absorbed by the powder (remove 2.5g of powder).

Protocol 2
1. In a mortar put 10g of powder;
2. Add, using a 1ml pipette, 1ml of olive oil (or saline water) and mix with the pestle;
3. Repeat steps 2 until you notice a change of state: from a powder to a paste

Beauté by Roquette® ST 005 has similar absorption capacities than talc officinal (grade 5 microns) or Tapioca Starch & Polymethylsilsesquioxane.

Sensorial evaluation of powders applied on forearm (28 panelists)



SPECIFIC FEATURES:

- Free flowing powder
- High microbiological quality

RECOMMENDED APPLICATIONS:

Colour cosmetics, Skin care, Hair care

RECOMMENDED USE LEVELS:

1 to 30%

pH OF USE:

3 - 8 – avoid alkaline pH

APPLICATION GUIDELINES:

Cold process - Use preferably under 40°C

FORMULATION EXAMPLE:

SUN POWDER

ECOLOGICAL PROFILE:

Derived from 100% vegetable feedstock
ISO 16128 In* = 1
Readily biodegradable (OECD 301)

* Natural Origin index = Number of natural carbon atoms/Total number of carbon atoms (natural 14 & non natural)

REGULATORY STATUS:

Conform to:

Europe - European Cosmetic Regulation 1223/2009 and its amendments
USA - FD&C Act – 21 CFR 700 to 740
China - Hygienic Standard for Cosmetics: listed IECIC 2015
Japan - Regulation for cosmetics

Non exhaustive list of countries, please contact us for additional information.

	INCI NAME	COMMERCIAL NAME (SUPPLIER)	%
PHASE A	CI 77491	Unipure Red LC 381 (Sensient technologies)	1.70
	CI 77492	Unipure Yellow LC 182 (Sensient technologies)	2.00
	CI 77499	Unipure Black LC 989 (Sensient technologies)	0.30
	CI 77891	Unipure White LC 381 (Sensient technologies)	6.00
	CI 75470 (and) CI 77891 (and) Mica	Covapearl pure carmine 432 (Sensient technologies)	0.20
	Mica (and) Titanium Dioxyde (and) CI 77491	KTZ Aruban coral (Kobo Products)	0.30
	Mica (and) Titanium Dioxyde (and) CI 77491	KTZ Apricot (Kobo Products)	0.60
	Mica (and) Titanium Dioxyde (and) CI 77491	KTZ Sunburst Gold (Kobo Products)	0.60
	Mica (and) Titanium Dioxyde	KTZ Ultra shimmer (Kobo Products)	0.30
	Mica	Submica FL (Sensient technologies)	28.00
	Silica	Silica (Kobo Products)	16.00
	Zea (mays) starch	**Beauté by Roquette® ST 005**	**35.00**
	Caprylic/Capric Triglyceride	DUB MCT (Stéarinerie Dubois)	8.50
	Phenoxyethanol (and) Chlorphenesin (and) Glycerin	Microcare PHC (Thor)	0.50

PROCESS
Grind together all components of Phase A

FORMULATION SPECIFICATIONS	
ASPECT	GOLDEN BRONZE LOOSE POWDER
pH	NA
VISCOSITY	NA
STABILITY	1 MONTH AT 50°C AND 3 MONTHS AT ROOM TEMPERATURE AND 40°C