



BEAUTÉ BY ROQUETTE® ST 012

Beauté by Roquette® ST 012 is a plant-based ingredient, derived from corn that gives a unique smooth and velvet feel.

Beauté by Roquette® ST 012 provides sebum absorption, therefore gives a mattifying effect on skin and reduces the greasiness and tackiness of cosmetic formulations. It allows a cream-to-powder type of texture.

BENEFITS AT A GLANCE:

- Smooth feel and final velvet touch
- Skin mattifying effect
- Gels and emulsions whitener
- Anti-caking agent
- Sebum absorber
- Effective water repellent
- Anti-lumping and anti-caking diluent
- Mineral powder and synthetic polymers substitute

INCI NAME:

Aluminum starch octenylsuccinate

PHYSICAL ASPECT:

White odourless and free-flowing powder

ORIGIN:

Corn starch

SPECIFIC FEATURES:

Not soluble in cold water

RECOMMENDED APPLICATIONS:

Skin care, Colour cosmetics and Fragrances

RECOMMENDED USE LEVELS:

2 - 50% in dry powders

pH OF USE:

3 - 8 – avoid alkaline pH

APPLICATION GUIDELINES:

Cold process - use preferably under 40°C

ECOLOGICAL PROFILE:

Derived from 100% vegetable feedstock

ISO 16128 Ino* = 0.97

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

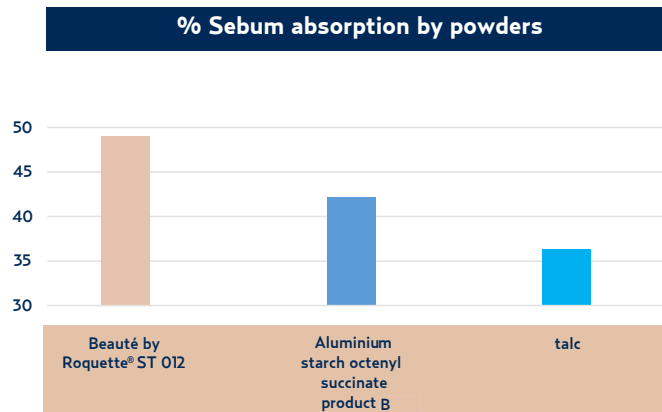
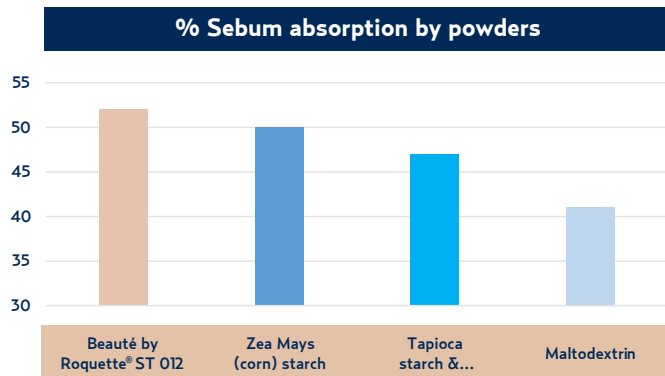
USA - FD&C Act – 21 CFR 700 to 740

China - Hygienic Standard for Cosmetics:
listed IECIC 2015

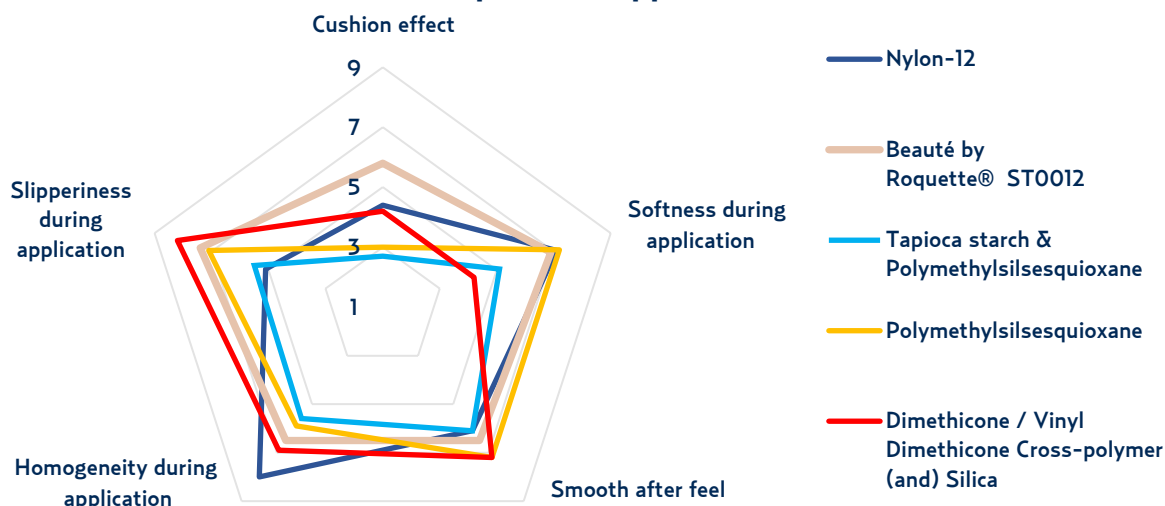
Japan - Regulation for cosmetics

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

Sebum & sweat absorption capacities



Sensorial evaluation of powders applied on forearm (28 panelists)



FORMULATION EXAMPLE:

MATTIFYING MAKE-UP BASE

	INCI NAME	COMMERCIAL NAME (SUPPLIER)	%
PHASE A	Aqua	Demineralised water	Up to 100
	Xanthan gum	Keltrol (CP Kelco)	0.30
PHASE B	Polyglyceryl-6 distearate	Plurol Stearique (Gattefossé)	4.00
	Cetyl alcohol	Lanette 16 (BASF)	2.00
	Octyldodecyl myristate	MOD (Gattefossé)	5.00
PHASE C	Aluminium octenyl succinate starch	Beauté by Roquette® ST 012 (Roquette)	4.00
PHASE D	Carboxymethyl starch	Beauté by Roquette® ST 118 (Roquette)	3.00
PHASE E	Glycerin (and) Phenoxyethanol (and) Chlorphenesin	Microcare PHC (Thor)	1.00

PROCESS

- 1/ Heat water up to 80°C
- 2/ Disperse Xanthan gum into water, while stirring (defloculator)
- 3/ Heat Phase B up to 80°C under agitation

- 4/ Emulsion: at 80°C, add Phase B into Phase A while stirring (defloculator 2000 - 3000 rpm - 20 minutes)
- 5/ Allow to cool down to 20-25°C under medium agitation (1500 - 2000 rpm)
- 6/ Add successively Phase C, Phase D and Phase E under medium speed

FORMULATION SPECIFICATIONS

ASPECT	WHITE CREAM
pH	5.4 - 5.8
VISCOSITY	BROOKFIELD, SP7, 20RPM, 1MIN: 33 000 mPa.s
STABILITY	3 MONTHS AT ROOM TEMPERATURE AND 40°C