



ROQUETTE

BEAUTÉ

BEAUTÉ BY ROQUETTE® ST 118

Beauté by Roquette® ST 118 is a new 100% plant-based gelling agent obtained from potato starch.

It provides unique texture & sensorial benefits through the combination of a high cushion effect with a pleasant, fresh & non-tacky powdery after feel.

BENEFITS AT A GLANCE:

- High **cushion effect**
- Gelling agent
- **Texturizing agent** with pleasant after feel
- **Ready-to-use** and cold-water dispersible
- Alternative to synthetic polymers

INCI NAME

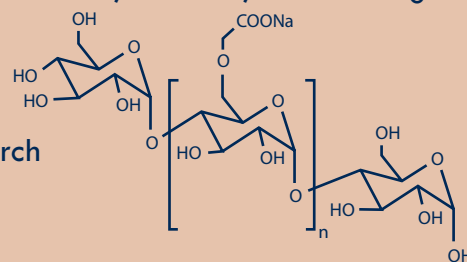
Sodium carboxymethyl starch

PHYSICAL ASPECT:

White to off-white, odorless, free-flowing powder

ORIGIN:

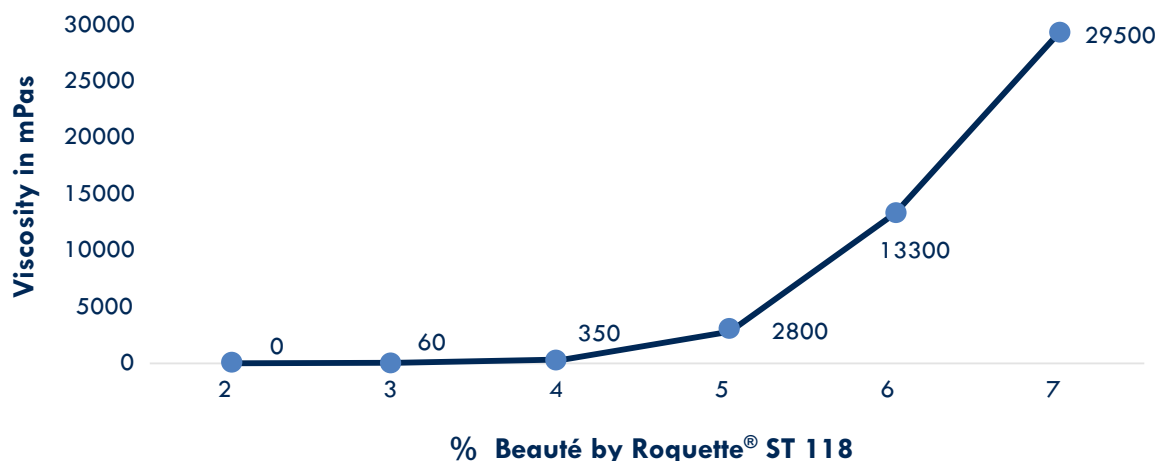
Potato starch



Ino* = 0.92

NEW MULTIFUNCTIONAL SENSORY GELLING AGENT

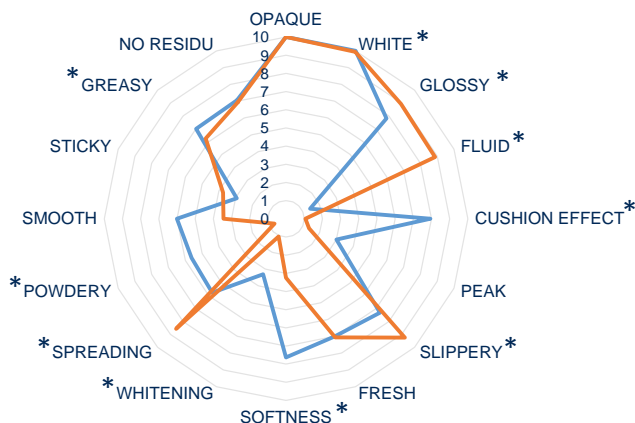
Brookfield viscosity (mPa.s) at room temperature, pH 6,5 after 48h. **Unchanged viscosity** from pH 5 to 12.



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

UNIQUE TEXTURE: EFFECT OF BEAUTÉ BY ROQUETTE® ST 118 IN EMULSIONS

Evaluation was made by sensory analysis with 18 panelists.



— O/W emulsion with Beauté by Roquette® ST 118
 — O/W emulsion without Beauté by Roquette® ST 118

* Significant difference at 5%

Results:

Beauté by Roquette® ST 118 induces the formation of swollen micro gel particles imparting very unique sensorial benefits.

RECOMMENDED APPLICATIONS:

Skin care, color cosmetics, hair care, hygiene

pH OF USE:

4 to 12

FORMULATION EXAMPLE:

FROZEN SOUFFLÉ – SC-035-014

	INCI NAME	COMMERCIAL NAME (SUPPLIER)	% W/W
PHASE A	Sodium Cocoyl Isethionate	Jordapon SCI (BASF)	2.00
	Cocamidopropyl Betaine	Dehyton K (BASF)	2.00
	Coco Glucoside	Plantacare 818 (BASF)	2.00
	Aqua	Water	40.00
	Isosorbide	Beauté by Roquette® PO 500 (Roquette)	5.00
PHASE B	Aqua	Water	Up to 100
	Sodium benzoate	Microcare® NB (Thor)	0.40
	Potassium Sorbate	Potassium Sorbate (Cooper)	0.40
	CI 42090	FDC Blue one pur	0.01
PHASE C	Fragrance	Hydra care icea (Laboratoire L.R Flavours & Fragrances Industries S.p.A.)	0.30
	Macadamia ternifolia seed oil	Macadamia oil (Cooper)	1.00
PHASE D	Carboxymethyl starch	Beauté by Roquette® ST 118 (Roquette)	12.00
	Sodium Hydroxide	NaOH (solution at 40%)	0.60
	Succinic acid	Beauté by Roquette® SA 130 (Roquette)	2.00

PROCESS

- 1/ Weigh and disperse phase A under gentle agitation while heating up to 70° - 80 C. Maintain agitation until a homogenous blend is obtained,
- 2/ Add premix phase B while stirring gently and cooling down to room temperature,
- 3/ Prepare phase C and add it into in A+B, while stirring gently,
- 4/ Add successively ingredients of phase D while stirring gently.

FORMULATION SPECIFICATIONS

ASPECT	Blue gel
pH	4.8
VISCOSITY	Brookfield, SP7, 20 rpm, 1 min: 60 000 - 70 000 mPa.s
STABILITY	1 month at 50° C, room temperature and 40° C