



BEAUTÉ BY ROQUETTE® DS 112

Beauté by Roquette® DS 112 is a plant-based thickening and stabilizing system, providing light to creamy texture with a unique dry, smooth & velvet feel.

Beauté by Roquette® DS 112 is a non-ionic powder, with a very high tolerance to pH and electrolytes. Convenient for both hot & cold process, this patented multifunctional ingredient is suitable for a wide range of cosmetic products.

BENEFITS AT A GLANCE:

- Thickener and stabilizer system
- Suspending properties
- Unique dry & velvet feel
- Not impacted by pH or electrolytes
- Not sensible to shear resistance
- Provides translucent formulations

INCI NAME:

Starch acetate, Hydroxyethylcellulose, Xanthan gum

PHYSICAL ASPECT:

Off-white flowing powder

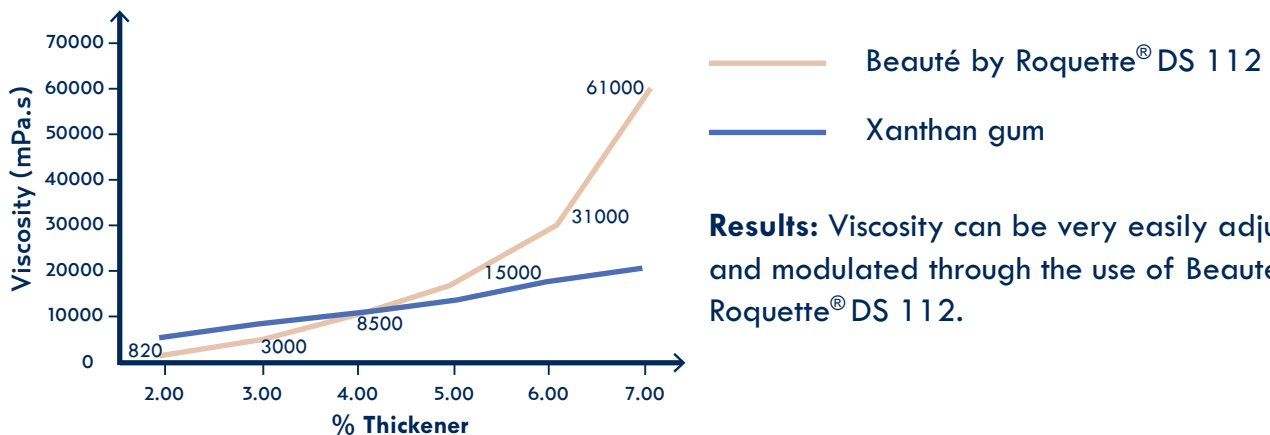
ORIGIN:

Plant-based ingredients



Cno* = 94%

AN EASY WAY TO MODULATE VISCOSITY: COMPARISON VS XANTHAN GUM



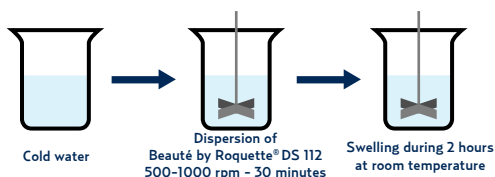
Results: Viscosity can be very easily adjusted and modulated through the use of Beauté by Roquette® DS 112.

* Natural origin content: sum of the relative concentrations of a product's ingredients multiplied by their corresponding natural origin indexes

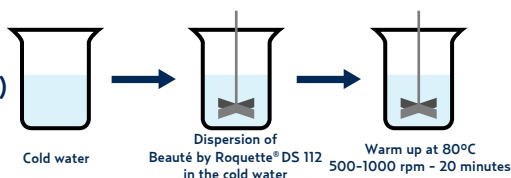
APPLICATION GUIDELINES:

Incorporate into the water phase to prepare gels.

Cold process (pregel)



Hot process (cold dispersion in water & heating)



RECOMMENDED APPLICATIONS:

All cosmetics applications

SPECIFIC FEATURES:

- Non-ionic powder
- Water dispersible powder

RECOMMENDED USE LEVELS:

1% to 10%

pH OF USE:

4 to 10.5

FORMULATION EXAMPLE:

SHOWER EMULSION – SC-021-002

	INCI NAME	COMMERCIAL NAME (SUPPLIER)	% W/W
PHASE A	Aqua	Demineralised water	Up to 100
	Starch acetate, Hydroxyethyl cellulose, Xanthan gum	Beauté by Roquette® DS 112 (Roquette)	3.00
	Sorbitol	Beauté by Roquette® PO 070 (Roquette)	6.00
PHASE B	Sodium Laureth Sulfate	Texapon NSO	15.00
	Sodium Cocoyl Glutamate	Protelan AG818	5.00
	Polyglyceryl-10 Oleate	Polyaldo 10-1-10C	2.00
	Cocamidopropyl Betaine	Dehyton PK45	1.00
PHASE C	Polyglyceryl-3 Polyricinoleate	Imwitor 600	0.50
	Glyceryl Oleate	Dermofeel PO	0.60
	Prunus amygdalus dulcis oil	Almond oil	8.00
	Sesamum indicum seed oil	Sesame oil	2.00
PHASE D	Phenoxyethanol, Chlorphenesin, Glycerin	Microcare® PHC	1.00

PROCESS

- 1/ Prepare Phase A (add PO 160 and then DS 112 into water) while stirring and heating up to 80 °C. Maintain agitation until a homogeneous gel is obtained (minimum 40 minutes),
- 2/ Prepare Phase B and add it into Phase A while stirring gently,
- 3/ Heat phase C up to 80° C,
- 4/ At 80° C., add Phase C into Phase A+B while stirring (defloculator 2000rpm). Maintain temperature and agitation for 10 minutes,
- 5/ Allow to cool down to room temperature while stirring gently and add Phase D.

FORMULATION SPECIFICATIONS

ASPECT	White shower emulsion
pH	6.5
VISCOSITY	Brookfield, SP5, 20 rpm, 1 min: 18 000 – 20 000 mPa.s
STABILITY	1 month at 50°C and 3 months at room temperature and 40° C