



BEAUTÉ BY ROQUETTE® PO 370



COSMOS
APPROVED

Beauté by Roquette® PO 370 is a very versatile moisturizing ingredient perfect for skin care, oral care, colour cosmetics and hair care.

Thanks to its large particle size, Beauté by Roquette® PO 370 can also be used as a mild scrubbing agent in your daily facial wash.

You may also use Beauté by Roquette® PO 370 in flavored lipsticks and oral care products to provide some sweetness or simply to mask a bitter taste and thus improve overall sensorial experience.

BENEFITS AT A GLANCE:

- Humectant
- Tooth remineralisation
- Tooth decay prevention
- Biostatic agent at high concentration
- Flavouring and sweetening agent

INCI NAME:

Xylitol

PHYSICAL ASPECT:

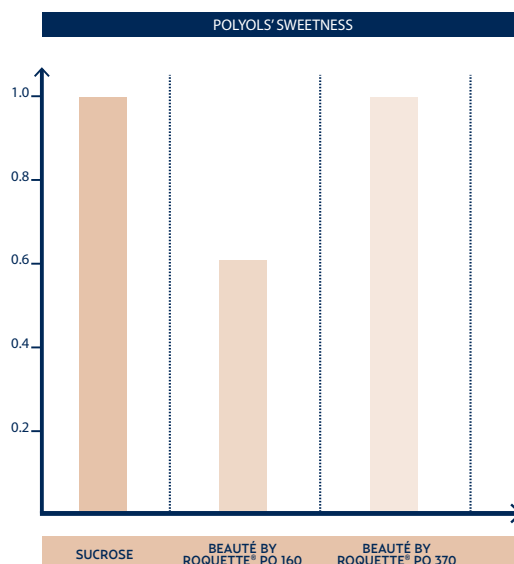
Odorless, white or off-white crystalline powder

ORIGIN:

- Corn starch
- Beauté by Roquette® PO 370 is obtained from glucose through a biotechnological process patented by Roquette

SPECIFIC FEATURES:

- High solubility in water (about 64g/100g water)
- Excellent thermal and chemical stability
- Reduces microbial growth
- Reduces chemical reactions and enzyme activity in the final product
- Sweet flavour



RECOMMENDED APPLICATIONS:

Oral care, Skin care, Hair care, Colour cosmetics

RECOMMENDED USE LEVELS:

- Oral care 5 to 30%
- Skin care 5 to 10%

pH OF USE:

3 - 10

APPLICATION GUIDELINES:

Incorporate into the water phase

ECOLOGICAL PROFILE:

Derived from 100% vegetable feedstock

ISO 16128 Ino* = 1

Readily biodegradable (OECD 301)



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

FORMULATION EXAMPLE:

LIPS «CANDY» SYRUP

	INCI NAME	COMMERCIAL NAME (SUPPLIER)	%
PHASE A1	Aqua	Demineralised water	Up to 100
	Hydroxypropyl starch	Beauté by Roquette® PO 720 (Roquette)	0.20
PHASE A2	Sorbitol	Beauté by Roquette® PO 070 (Roquette)	60.00
	Xylitol	Beauté by Roquette® PO 370 (Roquette)	10.00
PHASE B	Xanthan gum	Keltrol (CP Kelco)	0.30
PHASE C	Flavour	Arôme Pêche (Aromazone)	0.50
	CI 15985	FDC Yellow 6 (Sensient Cosmetic Technologies)	QS
	CI 75470	Carmin soluble W 3014 (Sensient Cosmetic Technologies)	QS
	Phenoxyethanol	Microcave PE (Thor)	0.50

PROCESS

Room temperature process

- 1/ Disperse Beauté by Roquette® ST 720 in aqua while stirring gently.
- 2/ Add and dissolve Beauté by Roquette® PO 370 and PO 070 into A, under gentle agitation.
- 3/ Under agitation disperse and hydrate xanthan gum into A1+A2.
- 4/ Add successively ingredients of Phase C while stirring gently.

FORMULATION SPECIFICATIONS

ASPECT	COLOURED TRANSPARENT LIQUID
pH	5.7 - 6.1
VISCOSITY	BROOKFIELD, SP5, 20 RPM, 1 MIN: 800 - 1200 mPa.s
STABILITY	1 MONTH AT 50°C AND 3 MONTHS AT ROOM TEMPERATURE AND 40°C