



ROQUETTE

BEAUTÉ

BEAUTÉ BY ROQUETTE® PO 070



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Beauté by Roquette® PO 070 is a COSMOS approved plant-based humectant & moisturizer with an extremely high bacteriological quality & stability.

Specifically designed for cosmetics it is recommended for oral care, skin care, colour cosmetics and hair care applications.

BENEFITS AT A GLANCE:

- Humectant & moisturizer for both skin & hair
- Natural preservative at high concentration
- Body enhancer & thickening agent
- Non-cariogenic, ready-to-use sweet syrup

INCI NAME

Sorbitol

PHYSICAL ASPECT:

Clear, colorless syrupy liquid miscible with water

ORIGIN:

Corn/Wheat starch

SPECIFIC FEATURES:

- Very high bacteriological quality and stability
- Very high water miscibility and solubility
- High chemical stability even in alkaline conditions
- Resistant to acids and to dilute alkalis
- High thermal stability
- Non-fermentable by many microorganisms

RECOMMENDED APPLICATIONS:

Oral care, Skin care, Colour cosmetics, Hair care

USAGE LEVELS:

0.5 - 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)



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* 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 (Fisher)	Up to 100
	Hydroxypropyl starch	Beauté by Roquette® ST 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 (Sensiet Cosmetic Technologies)	QS
	CI 19140	FDC Yellow 5 (Sensiet Cosmetic Technologies)	QS
	Phenoxyethanol	Microcare PE (Thor)	0.50

PROCESS

Room temperature process

- 1/ Disperse Beauté by Roquette® ST 720 in aqua while stirring gently.
- 2/ Add and dissolve 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 AT 40°C & 50°C	1 MONTH AT 50°C, AND 3 MONTHS AT ROOM TEMPERATURE AND 40°C