

# **BEAUTÉ BY ROQUETTE® PO 070**



# Beauté by Roquette<sup>®</sup> 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<sup>\*</sup> = 1 Readily biodegradable (OECD 301) COSMOS APPROVED

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

## FORMULATION EXAMPLE:

#### LIPS CANDY SYRUP

# **REGULATORY STATUS:**

CAS Number: 1259528-21-6

EINECS Number: 200-061-5

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.

	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 <sup>®</sup> PO 070 (Roquette)	60.00
	Xylitol	Beauté by Roquette® PO 370 (Roquette)	10.00
PHASE B	Xanthan gum	Keltrol (CP Kelco)	0.30
<u>PHASE C</u>	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  $^{\! \rm B}\,{\rm PO}$  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		
рН	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		

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