



ROQUETTE

BEAUTÉ

BEAUTÉ BY ROQUETTE® PO 500

Beauté by Roquette® PO 500 is a new patented plant-based microbiota-balancing active, specifically designed for oral health and skin care products.

This unique extremely pure isosorbide solution prevents from bad breath (halitosis), biofilm formation and dental caries. It also acts as a strong humectant & moisturizing agent.

BENEFITS AT A GLANCE:

- Reduces or neutralizes the growth of oral pathogen bacteria
- Acts as a strong moisturizing agent to induce an immediate skin or hair hydration
- Performs as an antimicrobial agent
- Imparts a pleasant non tacky feel on the skin

INCI NAME

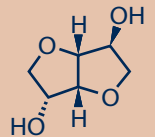
Isosorbide

PHYSICAL ASPECT:

Low viscous concentrated syrup
Odorless, transparent & non-colored

ORIGIN:

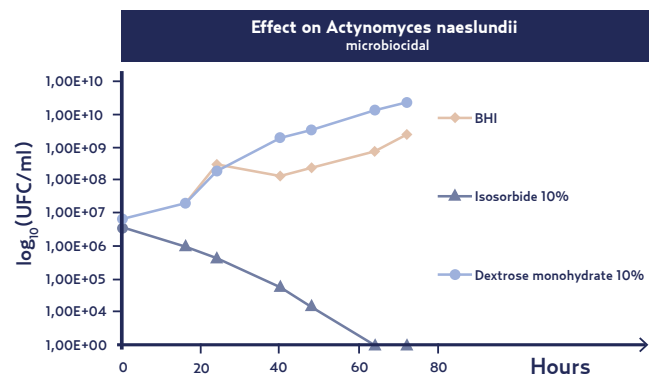
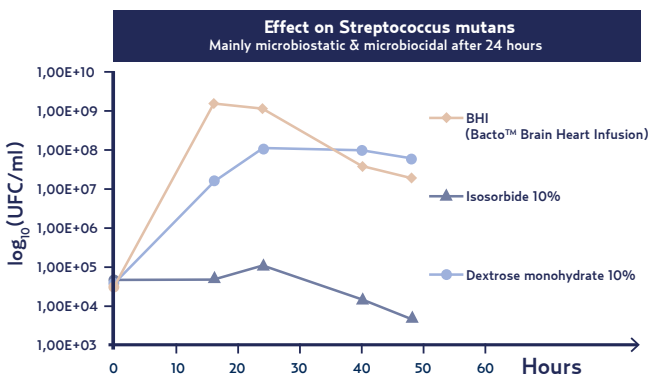
Corn/Wheat starch



Ino* = 1

EFFECT ON THE GROWTH OF SEVERAL ORAL PATHOGEN BACTERIA

We tested Beauté by Roquette® PO 500 at 10% on specific pathogen bacteria linked to tooth decay and cavities.



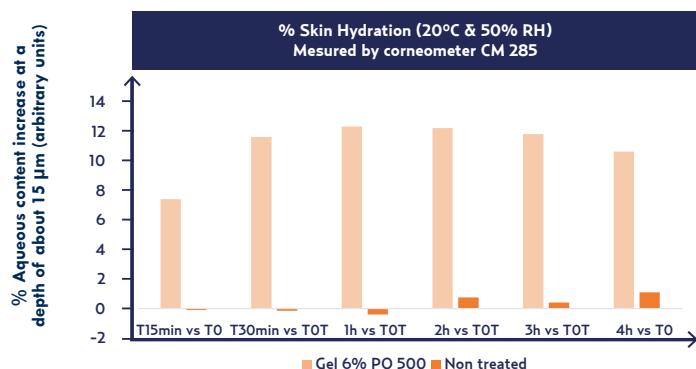
Results:

Beauté by Roquette® PO 500 is very effective to inhibit the growth of several oral pathogen bacteria.

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

EVALUATION OF IMMEDIATE SKIN HYDRATION BENEFITS

In vivo evaluation of immediate skin hydration benefits with a gel containing 6% of Beauté by Roquette® PO 500 on 20 volunteers.



Results: Beauté by Roquette® PO 500 provides **immediate skin hydration**.

SPECIFIC FEATURES:

- High water & alcohol solubility
- High chemical stability even in alkaline conditions
- High thermal stability
- Non cariogenic

RECOMMENDED APPLICATIONS:

Oral care, skin care, hair care, color cosmetics

FORMULATION EXAMPLE:

Oral spray - «FRESS KISS» - OC-001-006

	INCI NAME	COMMERCIAL NAME (SUPPLIER)	% W/W
PHASE A	Aqua	Deminerilised water	Up to 100
	Xylitol	Beauté by Roquette® PO 370 (Roquette)	10.00
	Sorbitol	Beauté by Roquette® PO 160 (Roquette)	10.00
	Hydroxypropyl Cyclodextrin	Beauté by Roquette® CD 110 (Roquette)	1.00
	Isosorbide	Beauté by Roquette® PO 500 (Roquette)	5.00
	Mint Flavour	Arôme poudre menthe code 023C301 (Colin Ingredients)	1.00
PHASE B	Sodium Benzoate	Microcare® NB (Thor)	0.50
	Potassium Sorbate	Microcare® KS (Thor)	0.50
PHASE C	CI 42090	FDC Blue 1 (Sensient Cosmetic Technologies)	QS
PHASE D	Gluconolactone	Beauté by Roquette® GA 290 (Roquette)	QS pH 5.8

PROCESS

- 1/ At room temperature disperse Beauté by Roquette® PO 370 and Beauté by Roquette® PO 160 in Aqua, while stirring (defloculator medium speed). Then add Beauté by Roquette® CD 110, Beauté by Roquette® PO 500 and flavor, under gentle agitation,
- 2/ Add Phase B into A while stirring (medium speed),

- 3/ Add Phase C in A+B, under gentle agitation,
- 4/ Adjust pH to 5,8 with Phase A 10% aqueous solution of Beauté by Roquette® GA 290 (Phase D).

FORMULATION SPECIFICATIONS

ASPECT	Aqueous blue lotion
pH	5.6 - 5.8
VISCOSITY	NA
STABILITY	1 month at 50°C and 3 months at room temperature and 40°C