



**ROQUETTE**  
BEAUTÉ

## BEAUTÉ BY ROQUETTE® GA 290

Beauté by Roquette® GA 290 is a plant-based PolyHydroxyAcid (PHA), adapted to all skin types especially to sensitive skin.

Beauté by Roquette® GA 290 is a multifunctional ingredient: preservative booster, anti-ageing, anti-acne & peeling agent.

### BENEFITS AT A GLANCE:

- Anti-ageing agent by reducing wrinkles and refining skin texture
- Anti-acne agent
- Preservative booster
- Gentle exfoliator and peeling agent
- Heavy metal chelator (EDTA substitute)
- pH regulator

### INCI NAME:

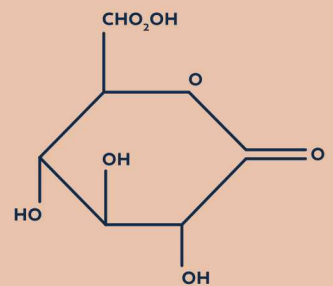
Gluconolactone

### PHYSICAL ASPECT:

White odourless dry crystalline powder

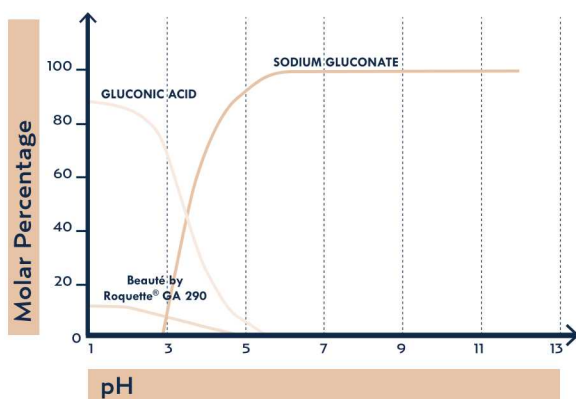
### ORIGIN:

Corn starch

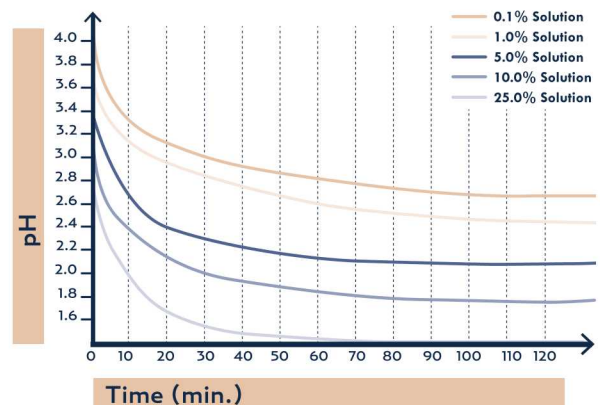


### SPECIFIC FEATURES:

- Very fine particle size
- Non-irritating
- Biodegradable
- Preservative enhancer when used in a certain pH range



Molar percentage of the 3 constituents as a function of pH by dissolution of Beauté by Roquette® GA 290



Hydrolysis of Beauté by Roquette® GA 290 at 25°C

## **RECOMMENDED APPLICATIONS:**

All cosmetics applications

## **USAGE LEVELS:**

0.5 - 15%

## **pH OF USE:**

All pH except for anti-acne / peeling effect (~3 - 4)

## **APPLICATION GUIDELINES:**

Incorporate into the water phase

## **ISO/CERTIFICATION:**

ISO 16128 natural Index (In):



## **REGULATORY STATUS:**

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 - Japanese Pharmaceutical Affairs Law – Regulation for cosmetics

*Non exhaustive list of countries, please contact us for additional information.*

## **FORMULATION EXAMPLE:**

### FACIAL PEELING

<b><u>PHASE A</u></b>	AQUA (WATER)	87.50%
	BEAUTÉ BY ROQUETTE® DS 112	4.00%
	SODIUM BENZOATE	0.40%
	GLYCERIN	2.00%
<b><u>PHASE B</u></b>	ALCOHOL	5.00%
	FRAGRANCE	0.10%
<b><u>PHASE C</u></b>	BEAUTÉ BY ROQUETTE® GA 290 IN SOLUTION AT 50%	Reach pH 3.5%

### **PROCESS**

1/ Heat up phase A to 80°C - 85°C and mix for about 20 minutes

2/ Add Phase B and C in phase A

### **FORMULATION CHARACTERISTICS**

The peeling activity is obtained by using Beauté by Roquette® GA 290

The pH needs to be adjusted around 3.5 for a high efficacy