



ROQUETTE

BEAUTÉ

BEAUTÉ BY ROQUETTE® CD 110

Beauté by Roquette® CD 110 is a plant-based active recommended for your skin care and fine fragrance formulations.

This plant-based ingredient, derived from potato starch, is also a carrier and active enhancer through inclusion complex formation. To boost the efficacy of your actives and provide long lasting fragrances, use Beauté by Roquette® CD 110.

BENEFITS AT A GLANCE:

- Active carrier & stabilizer
- Active booster & solubilizer
- Firming agent
- Long lasting fragrance enhancer
- Light degradation stabilizer

INCI NAME:

Hydroxypropyl cyclodextrin

PHYSICAL ASPECT:

White or off-white, amorphous or crystalline powder

ORIGIN:

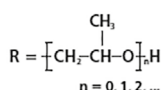
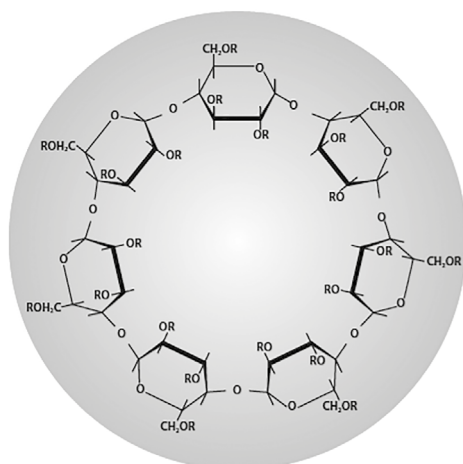
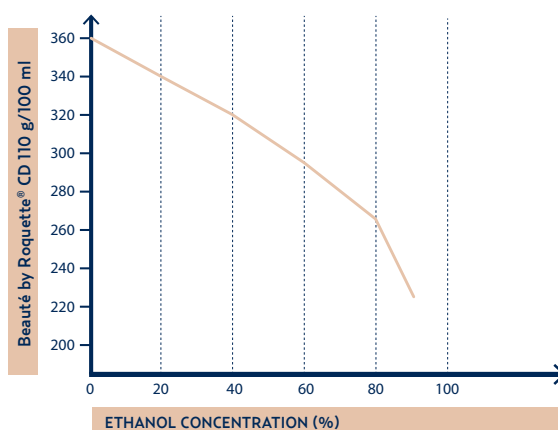
Potato starch

SPECIFIC FEATURES:

SOLUBILITY

WATER	VERY SOLUBLE (>60%)
PROPYLENE GLYCOL	FREELY SOLUBLE
PEG 400	FREELY SOLUBLE
I-PROPANOL	SLIGHTLY SOLUBLE
ETHANOL	SPARINGLY SOLUBLE

BEAUTÉ BY ROQUETTE® CD 110 SOLUBILITY IN AQUEOUS ALCOHOL SOLUTIONS AT 20°C



RECOMMENDED APPLICATIONS:

All cosmetics and perfume applications

RECOMMENDED USE LEVELS:

2 to 99% upon formulation

pH OF USE:

3-10

APPLICATION GUIDELINES:

Add the powder in the water phase

ECOLOGICAL PROFILE:

Derived from 100% vegetable feedstock

ISO 16128 Ino* = 0.69

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

FORMULATION EXAMPLE:

HEAVY LEGS GEL

	INCI NAME	COMMERCIAL NAME (SUPPLIER)	%
PHASE A1	Aqua	Deminerilised water	Up to 100
	Sorbitol	Beauté by Roquette® PO 070 (Roquette)	5.00
	Hydroxypropylcellulose	Natrosol 250 HHR (Ashland)	1.00
PHASE A2	Hydroxypropyl cyclodextrin	Beauté by Roquette® CD 110 (Roquette)	5.00
PHASE B	Ethanol	Ethanol	10.00
	Menthol	Menthol cristallisé (Aromazone)	4.00
	Menthyl Lactate (and) PPG-26-Buteth-26 (and) PEG-40 Hydrogenated Castor Oil	Covafresh (Sensient Cosmetic Technologies)	1.00
PHASE C	Phenoxyethanol & Chlorphenesin	Microcare PHC (Thor)	1.00
PHASE D	CI 42090	UNICERT BLUE 05601-J (Sensient Cosmetic Technologies)	QS

PROCESS

- 1/ Add Beauté by Roquette® PO 070 and Hydroxyethylcellulose into water of Phase A1, under agitation.
- 2/ Add Phase A2 into A1 while stirring gently.
- 3/ Prepare premix Phase B and add into A1+A2, under gentle agitation.
- 4/ Add Phase C and D into A+B while stirring gently.

FORMULATION SPECIFICATIONS

ASPECT	OPALESCENT LIGHT BLUE HYDRO ALCOHOLIC GEL
pH	4.5 - 5.0
VISCOSITY	BROOKFIELD, SP2, 20 RPM, 1MIN: 8 500 - 10 500 mPa.s
STABILITY	1 MONTH AT 50°C AND 3 MONTHS AT 40°C AND ROOM TEMPERATURE