



ROQUETTE
BEAUTÉ

BEAUTÉ BY ROQUETTE® CD 102

**You need to enhance the efficacy of your actives or make your perfumes last longer?
Discover Beauté by Roquette® CD 102!**

Beauté by Roquette® CD 102 acts as a molecular encapsulating agent:

- to help you solubilise your lipophilic actives and enhance their efficacy
- to protect your actives from outside attacks like UV rays, the temperature or oxidants
- to make fragrances last longer

BENEFITS AT A GLANCE:

- Molecular encapsulating agent for sensitive ingredients
- Controls the release of the encapsulated actives
- Reduces the volatility of the encapsulated molecules (long-lasting effect)
- Increases water solubility and the bioavailability of actives (encapsulated molecules)
- Protects from UV radiation (for suncare and fragrance applications)
- Increases the stability to heat, UV, chemicals or oxidants of oils, dyes, vitamins and perfumes
- Excellent scrubbing agent, alternative to plastic microbeads

INCI NAME:

Cyclodextrin

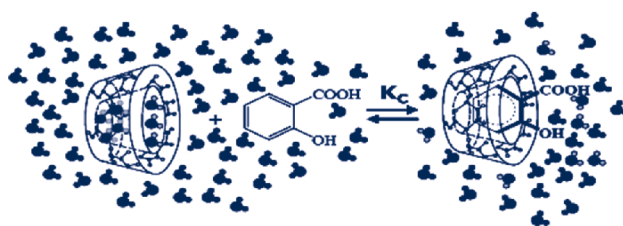
PHYSICAL ASPECT:

White odourless crystalline powder

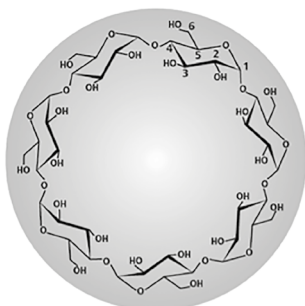
ORIGIN:

Potato starch

SPECIFIC FEATURES



- Natural cyclic oligosaccharide from starch, obtained via an enzymatic conversion
- Lipophilic central cavity and hydrophilic outer surface
- Very low solubility in water (about 18 g/L)
- Very resistant to acid, oxidative or enzymatic degradations



RECOMMENDED APPLICATIONS:

All cosmetics & perfume applications

RECOMMENDED USE LEVELS:

10 to 90% (fragrance encapsulation)

2 to 5% (skin care)

APPLICATION GUIDELINES:

Inclusion complex preparation:

pH OF USE:

3 - 10

ECOLOGICAL PROFILE:

Derived from 100% vegetable feedstock

ISO 16128 Ino* = 1

Readily biodegradable (OECD 301)

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

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 - Regulation for cosmetics

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

FORMULATION EXAMPLE:

BUTTER LIPS SCRUB

	INCI NAME	COMMERCIAL NAME (SUPPLIER)	%
PHASE A	Jojoba Oil	Jojoba oil (Cooper)	14,50
	Caprylic/Capric Triglyceride	Labrafac CC (Gattefossé)	12.00
	Tocopherol (and) Beta-sitosterol (and) Squalene	Tocobiol C (Quimica Masso)	0.50
	Cera alba	Beeswax (Cooper)	14.00
	Butyrospermum parkii	Shea butter (Cooper)	25.00
	Mannitol	Beauté by Roquette® PO 260 (Roquette)	20.00
PHASE B	Cyclodextrin	Beauté by Roquette® CD 102 (Roquette)	6.00
	Aluminium octenyl succinate starch	Beauté by Roquette® ST 012 (Roquette)	8.00

PROCESS

- 1/ Mix phase A and heat up to 75°C, under gentle agitation.
- 2/ Allow to cool down to 50°C and add phase B.
- 3/ Allow to cool down to room temperature (20-25°C) while stirring gently.

FORMULATION SPECIFICATIONS

ASPECT	SOFT BUTTER
pH	NA
VISCOSITY	NA
STABILITY	1 MONTH AT 50°C AND 3 MONTHS AT ROOM TEMPERATURE AND 40°C

