

BEAUTÉ BY ROQUETTE® CC 001

Consumers are demanding for more natural cosmetics and this drives for use of natural colorant instead of synthetic colorant.

Discover Beauté by Roquette® CC 001 is a plant-based caramel colorant that allows formulators to create visual exquisite food inspired cosmetics such as, honey-like shampoos or salted caramel sugar scrub.

BENEFITS AT A GLANCE:

- » High versatility/Natural brown color suitable for all kinds of skin care, hair care and sun care products
- » Ready and easy to use
- » Intensity of coloring effect can be adjusted easily depending on preferences (from light yellow to dark brown)
- » Able to provide an instant coloration on the skin for self tanning product

INCI NAME:

Caramel

PHYSICAL ASPECT:

Dark brown, viscous liquid (60% dry substance)

ORIGIN:

Non GMO⁽¹⁾ Sugar beetroot



Ino*=1

COMPOSITION AND CHARACTERISTICS

Beauté by Roquette® CC 001:

- **Slightly negative charge** obtained by controlled heat treatment of carbohydrates
- **Color intensity:** Absorbance : 0.060 - 0.070 (610nm, 0.1%)
- **Color strength:** Absorbance : 0.120 – 0.140 (560nm, 0.1%)
- Hue index of 6.0 (CHI)



0.02%

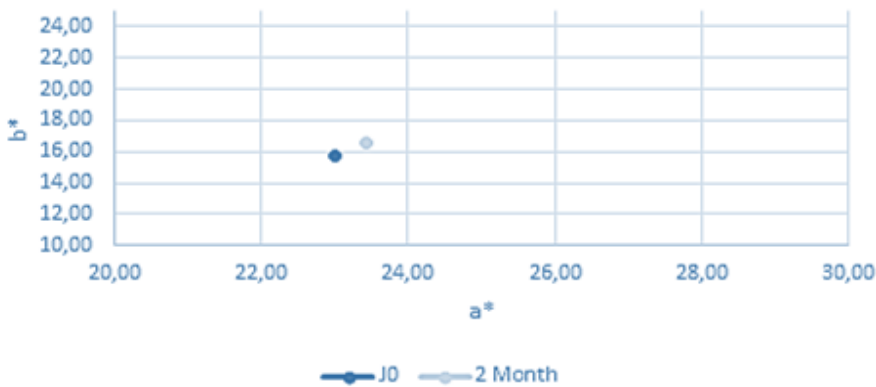
1.2%

(1): « compliant with EU regulations 1829/2003 and 1830/2003 about GMO »
Ino* = Natural origin index

COLOUR STABILITY OF BEAUTE BY ROQUETTE® CC 001

Color measurement in L*a*b* units from RGB digital images, the b* axis goes from blue (–b) to yellow (+b).

Discoloration measured with L*a*b system at room temperature at T0 and after 2 months



RESULT: The use of Beauté by Roquette® CC 001 will **keep your formula from a change of color.**

RECOMMENDED APPLICATIONS:

- Formulation colorant
- Skin coloration for self-tanning products
- Hair coloration for temporary colouring effect

APPLICATION GUIDELINES:

Incorporate into the water phase at room temperature.
Can be heated without observing a discoloration.

RECOMMENDED USE LEVELS:

0,01 – 30%

pH OF USE:

pH 4 to 10

COMPATIBILITIES :

- Surfactants (anionic, non ionic, amphoteric & cationic)
- NaCl up to 2%
- DHA

FORMULATION EXAMPLE: Sun tan gel SU-022-003 & SU-002-006

	INGREDIENT (INCI)	% W/W SU-022-003	% W/W SU-022-007
PHASE A	Water	Up to 100	Up to 100
	Beauté by Roquette® DS 112	4.00	4.00
PHASE B	Beauté by Roquette® PO 070	5.00	5.00
	Dihydroxyacetone	3.00	2.00
	Alcohol	3.00	3.00
	Beauté by Roquette® CC 001	0.40	1.60
	Preservative	0.70	0.70

PROCESS:

1. Disperse Beauté by Roquette DS 112 in water under agitation and heat at 80°C during 40 minutes
2. Cool under 25°C
3. Add succesively ingredients of phase B in phase A.



FORMULATION SPECIFICATIONS	
ASPECT	Light brown gel / Dark brown gel
pH	4.5 (+/- 0.3)
VISCOSITY	Brookfield, SP5, 20 rpm, 1 min: 6 000 – 8 000 mPa.s
STABILITY	1 month at 50° C, room temperature, 40 ° C and 4° C