VARIATI 1926

Vari® CC-O

Natural alternative to traditional cosmetic powders

Origin

Dolomia, the mineral base of **Vari® CC-O**, is a natural powder composed by calcium and magnesium carbonate. Its unique chemical composition guarantees excellent cosmetic properties.

The quality of the product is further improved by the opto / electronics screening phase, which allows to select only the mineral parts with physical characteristics suitable for the cosmetic purpose.

Afterwards, the required particle size is achieved with a process of micronization that, toghether with a specific technology, guarantees the best reproducibility in terms of colour and particle size.

The coating is made with an emollient, a blend of an olive derived ester and the unsaponifiable fraction of olive oil. Both components are saturated to maintain their stability over time against oxidative processes.

Filler

Texturizing

INCI Name

Calcium carbonate (and) magnesium carbonate (and) hydrogenated ethylhexyl olivate (and) hydrogenated olive oil unsaponifiables.

Alternative INCI name:
Dolomite (and) hydrogenated ethylhexyl olivate (and) hydrogenated olive oil unsaponifiables.

Cosmetic proprietes

Vari® CC-O is a natural mineral treated to maintain neutral optical characteristics.

The coating of olive oil derivatives gives to the powder a soft and creamy texture, as well as a conditioning properties on the skin.

Thanks to its characteristics, crystal structure, high purity, particle size and coating, **Vari® CC-O** can be used in any cosmetic products. It is adaptable to formulation with a matt or sparkling finish, giving a natural look to the skin.

The coating of **Vari® CC-O** gives a silica-like effect, with a matt finish. It is perfect for not dry and creamy anhydrous formulations and emulsions.

Sustainability

Vari® CC-O is a 100% European raw material. The dolomia comes from high quality European quarries, carefully selected. The mineral is a waste of mining activities deriving from marble blocks which are used for industrial purposes. It is recycled powder recovered from cutting processes of mineral plates.

The origin of the coating is European. It derives from Spanish olive oil.

According to ISO 16128, the naturalness and sustainability profile of **Vari® CC-O** is described with a NOI value (Natural Origin Index) equal to 1.

Particle size distribution

Average distribution of the particle size (Figure 1).

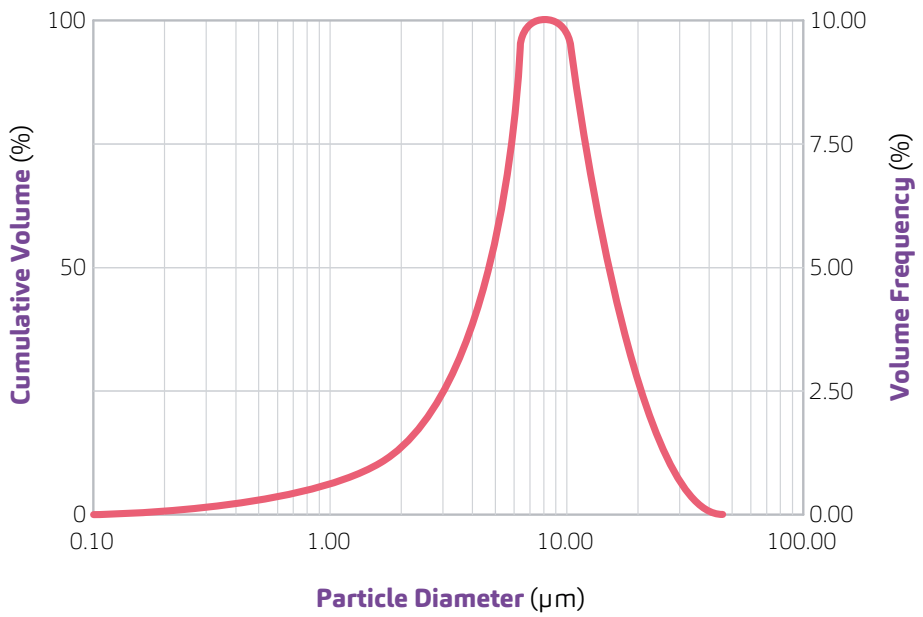


Figure 1

d(0.98)	20-25 µm
d(0.50)	6-9 µm
% < 2µm	3-10 %

Technical Information

Vari® CC-O

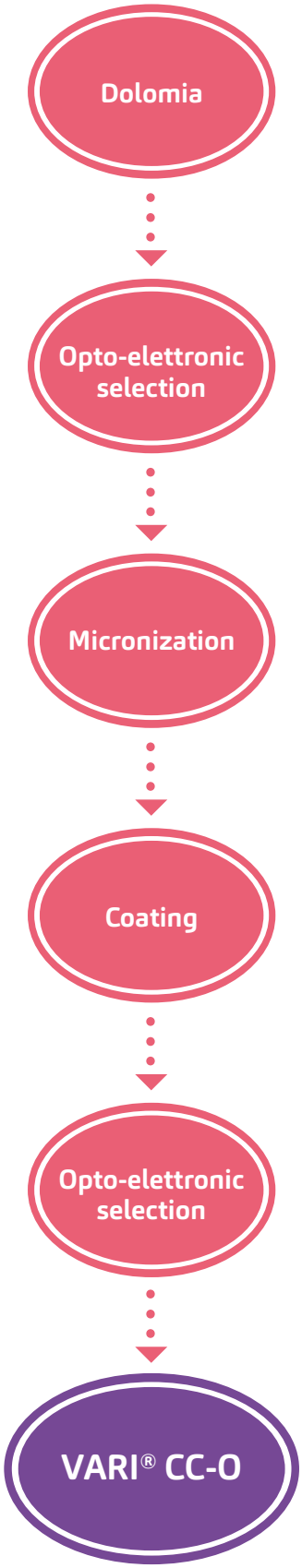
Aspect	Powder
Color	White
Odor	Neutral
Refractive Index	1.6
Heavy Metals	Unavoidable traces, naturally present

Applications

Vari CC-O can be used in any cosmetics application:

- **Colour cosmetics / pressed powders, baked powders, loose powders, injected powders, lipsticks, liquid foundations e concealers;**
- **Skin care / creams e lotions;**
- **Hair care and toiletries / shampoos, conditioners e styling products.**

Process



Formulas

Matt Base / Code: MU 0201-21

Phase	Ingredients	INCI Name	%
A	**VLP25 - Vegetable Liquid Petrolatum 25** (1)	Caprylic/capric Trigliceride (and) Triolein	28
	Vari CC-O (2)	Calcium carbonate (and) magnesium carbonate (and) hydrogenated ethylhexyl olivate (and) hydrogenated olive oil unsaponificables	65
B	**Kahl Wax 6642** (3)	Copernicia cerifera cera	3
C	**VP67 - Vegetable Petrolatum 67** (1)	Ricinus communis (castor) seed oil and hydrogenated castor oil and copernica cerifera (carnauba) wax	4

Supplier
(1) EFP Biotek - Variati
(2) Variati
(3) Kahl Wax - Spica

Protocol

- Weight Phase A, stir up to till complete homogenization and dispersion of **Vari® CC-O**.
- Heat Phase A between 85/90°C, when the temperature has been reached, insert Phase B, after the complete melting of the wax add Phase C, when even the last phase is completely dispersed, pour the product in a case back.
- Casting temperature 88°C.
- Pre-processing of **Vari® CC-O** with oils is for a complete and simpler dispersion of the raw material in formula, it can be done both at hot and cold temperature.

Formule

Bronzer / Code: MU 0107-21

Phase	Ingredients	INCI Name	%
A	TiO2 / Vari CC-O/M		10.4
	Red / Vari CC-O/M		10.0
	Yellow / Vari CC-O/M		2.8
	Black / Vari CC-O/M		1.6
	Blondie Satin Bronze N-2200D (1)	Mica, Iron Oxide	14.6
	Vari CC-O (3)	Calcium carbonate (and) magnesium carbonate (and) hydrogenated ethylhexyl olivate (and) hydrogenated olive oil unsaponificables	36.8
	Natural Mica Powder N-1000D (1)	Mica	15.8
B	VAVS (2)	Coco-caprylate/caprate, hydrogenated olive oil unsaponifiables	8.0
	Vari TM13 (3)	Tridecyl Trimellitate	

E/S / Code: MU 0101-21

Phase	Ingredients	INCI Name	%
A	Econa N-5881D (1)		5.2
	Econa N-5443D (1)		20.6
	Cosmetica N-5601D (1)	Mica, Tin Oxide, Titanium Dioxide	25.8
	Vari CC-O (3)	Calcium carbonate (and) magnesium carbonate (and) hydrogenated ethylhexyl olivate (and) hydrogenated olive oil unsaponificables	25.8
	Natural Mica Powder N-1000D (1)	Mica	11.0
B	VAVS (2)	Coco-caprylate/caprate, hydrogenated olive oil unsaponifiables	11.6
	Vari TM13 (3)	Tridecyl Trimellitate	

Powder Base / Code: MU 0302-21

Phase	Ingredients	INCI Name	%
A	Vari CC-O (3)		58.0
	Synthetic Mica Powder 1000D (1)	Synthetic Fluorphlogopite	31.5
B	VAVS (2)	Coco-caprylate/caprate, hydrogenated olive oil unsaponifiables	10.0
	Vari TM13 (3)	Tridecyl Trimellitate	

Blush / Code: MU 0105-21

Phase	Ingredients	INCI Name	%
A	TiO2 / Vari CC-O/M		11.2
	Red / Vari CC-O/M		0.8
	Skolor Rose Red SN-5443S (1)	Mica, Tin Oxide, Titanium Dioxide, Carmine	27.4
	Vari CC-O (3)	Calcium carbonate (and) magnesium carbonate (and) hydrogenated ethylhexyl olivate (and) hydrogenated olive oil unsaponificables	36.8
	Natural Mica Powder N-1000D (1)	Mica	15.8
B	VAVS (2)	Coco-caprylate/caprate, hydrogenated olive oil unsaponifiables	8.0
	Vari TM13 (3)	Tridecyl Trimellitate	

Highlighter / Code: MU 0104-21

Phase	Ingredients	INCI Name	%
A	Skolor Camelia SN-5841S (1)	Mica, Tin Oxide, Titanium Dioxide, Carmine	40.0
	Vari CC-O (3)	Calcium carbonate (and) magnesium carbonate (and) hydrogenated ethylhexyl olivate (and) hydrogenated olive oil unsaponificables	34.0
	Natural Mica Powder N-1000D (1)	Mica	14.4
B	VAVS (2)	Coco-caprylate/caprate, hydrogenated olive oil unsaponifiables	11.6
	Vari TM13 (3)	Tridecyl Trimellitate	

E/S Bronze / Code: MU 0108-21

Phase	Ingredients	INCI Name	%
A	Econa N-2200D (1)		51.6
	Vari CC-O (3)		25.8
	Synthetic Mica Powder 1000D (1)	Synthetic Fluorphlogopite	11.0
B	VAVS (2)	Coco-caprylate/caprate, hydrogenated olive oil unsaponifiables	11.6
	Vari TM13 (3)	Tridecyl Trimellitate	

Supplier
(1) CQV - Variati
(2) EFP Biotek - Variati
(3) Variati

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