

BB Bronzing Gel

with **Lysofix™ Liquid, Rosamox™ and FloraGLO™ Lutein 5% Topical Liquid in Safflower Oil**

Formulation: KPC/PD13011.05

- Pleasant gel texture
- Uniform application spreading
- Beautifies skin with gold shine



Phases	Ingredients	% w/w
A	Deionized Water	69.92
	Sodium Dehydroacetate	0.12
	Microcrystalline Cellulose (and) Cellulose Gum ¹	1.20
B	Glycerin	3.00
C	Lysofix™ Liquid - Glycerin (and) Glycine soja (Soybean) Seed Extract	5.00
D	Dimethicone	1.00
	Dimethicone PEG-7 Isostearate ²	3.00
	FloraGLO™ Lutein 5% Topical Liquid in Safflower Oil - <i>Carthamus tinctorius</i> (Safflower) Seed Oil (and) <i>Tagetes erecta</i> Flower Extract	0.10
	Diheptyl Succinate (and) Capryloyl Glycerin/Sebacic Acid Copolymer ³	4.00
	<i>Helianthus annuus</i> (Sunflower) Oil	5.00
	Rosamox™ - <i>Helianthus annuus</i> (Sunflower) Seed Oil (and) <i>Rosmarinus officinalis</i> (Rosemary) Leaf Extract	0.25
D2	Polyacrylate Crosspolymer-6 ⁴	1.00
E	Phenoxyethanol (and) Ethylhexylglycerin ⁵	1.00
F	Mica (and) Titanium Dioxide (and) Iron Oxides ⁶	1.00
	Mica (and) Titanium Dioxide (and) Iron Oxides ⁷	1.35
	Mica (and) Titanium Dioxide (and) Iron Oxides ⁸	0.90
	Mica (and) Titanium Dioxide (and) Iron Oxides ⁹	2.16
G	Citric Acid	q.s. to pH 5.5
Total: 100		

Bold denotes products available from Kemin.

¹VivaPur® Cos 5 - J. Reiflenmaier; ²SiSense® DW-18 - Lubrizol; ³LexFeel® N350 - Inolex; ⁴SepiMAX™ ZEN - SEPPIC; ⁵Euxyl® PE 9010 - Schulke; ⁶Timica® Nu-Antique Bronze 240 AB - BASF; ⁷Cloisone® Gold 222C - BASF; ⁸Cloisone® Sparkle Gold 222J - BASF; ⁹Timica® Golden Bronze 240A - BASF

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Manufacturing Process:

1. Weigh water in the main beaker. Add the powders of Phase A into water while homogenizing for 30 minutes.
2. Add Phases B and C to the main phase and mix.
3. Allow Phases D and D2 to blend using a slow overhead mixer.
4. Add Phases D and D2 to the main phase and allow a complete emulsion to form.
5. Add Phase E to the main phase and mix well.
6. Switch to sweep mixing.
7. Weigh and set aside colors of Phase F. Disperse them into the emulsion slowly. Homogenize for not more than 5 minutes.
8. Use Phase G to adjust pH to 5.5.
9. Mix for 20 minutes until smooth and uniform.

Stability:

- Stable for 5 freeze-thaw cycles
- Stable for 3 months at RT and 45 °C

Characteristics:

Appearance:	Pearlescent and luminous cream
Color:	Shimmery brown
Odor:	Fragrance-free
pH:	5.5 ± 0.5 at 20 °C
Viscosity:	15,000-20,000 cP at 20 °C Brookfield Viscometer, TB Spindle, 12 rpm
Centrifuge:	No separation at RT and 40 °C 4,000 rpm, 30 minutes



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