

## Starting point formulation – BB cream – magic complexion

Moisturising BB cream for a smooth and radiant complexion with GELWHITE-H XR as rheology modifier and PURABYK-P 5541 SATIN as mattifying agent.

### Formulation

Phase	Tradename	INCI	Supplier	Function	Dosage (%)
A	Water	Aqua	-	Carrier	63.72
	GELWHITE-H XR	Bentonite	BYK	Rheology modifier	2.00
	Glycerin 85 %	Glycerin	VWR	Moisturizer	3.00
B	Olivem 1000	Cetearyl Olivatate, Sorbitan Olivatate	Hallstar	Emulsifier	4.00
	Lanette O	Cetearyl Alcohol	BASF	Stabilizer	1.00
	Biochemica Sweet Almond Oil	Prunus Amygdalus Dulcis Oil	Hallstar	Emollient	5.50
	Abyssinian Öl, raff	Crambe Abyssinica Seed Oil	Gustav Heess	Emollient	6.50
	Aprikosenkernöl, kbA	Prunus Armeniaca Kernel Oil	Gustav Heess	Emollient	3.50
	Cutina CP	Cetyl Palmitate	BASF	Stabilizer	0.50
	Biochemica Vitamin E Natural	Tocopherol	Hallstar	Antioxidant	0.50
C	PURABYK-P 5541 SATIN	Bentonite	BYK	Mattifying agent	5.00
D	UNIPURE WHITE LC 987 AS-EM	CI 77891, Titanium Dioxide, Triethoxycaprylylsilane	Sensient	Colorant	2.50
	UNIPURE YELLOW LC 182 AS-EM	CI 77492, Iron Oxide, Triethoxycaprylylsilane	Sensient	Colorant	0.30
	UNIPURE RED LC 381 AS-EM	CI 77491, Iron Oxide, Triethoxycaprylylsilane	Sensient	Colorant	0.18
E	Rokonsal BSB-N	Benzyl Alcohol, Glycerin, Benzoic Acid, Sorbic Acid	Ashland	Preservative	0.50
F	Ectoin	Ectoin	bitop	Active	1.00
G	V/80 770/0 Mix us natürlich	Parfum	Vögele	Fragrance	0.30
<b>Total</b>					<b>100.00</b>

### Instructions (manufacturing procedure)

- Add rheology additive slowly to the demin. Water of phase A while stirring at 800 rpm 10 min.
- After 10 min hydration time, add glycerin and stir well. Then add phase C.
- Weigh in the ingredients of phase B and phase D. Heat phase A and B/D separately to 80 °C. Then add phase B/D to phase A while stirring with good agitation.
- Homogenize with the ultra turrax for 2 min at 10,000 rpm.
- Cool with mixing. Finally add the ingredients of phase E, F and G one after the other below 40 °C.
- Adjust the final pH to 5.0 with citric acid.

### Characteristic data

- Appearance: brown colored, high viscous.
- Storage stability: 3 months at 40 °C.

### PURABYK-P 5541 SATIN

is a non-activated phyllosilicate offering a matte and humidity absorbing effect on skin.



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This issue replaces all previous versions.

