

Starting point formulation – Antiperspirant deo stick – active life

Antiperspirant deo stick with aluminum chlorohydrate as active ingredient. RHEOBYK-7590 PC stabilizes the particles and gives texture while PURABYK-P 5541 SATIN offers humidity absorption and nice sensory aspects on skin without whitening.

Formulation

Phase	Tradename	INCI	Supplier	Function	Dosage (%)
A	Lanette 18	Stearyl Alcohol	BASF	Consistency enhancer	20.00
	ISOLAN PDI	Diisostearoyl Polyglyceryl-3 Dimer Dilinoleate	Evonik	Emulsifier	1.00
	TEGOSOFT DEC	Diethylhexyl Carbonate	Evonik	Emollient	24.00
	TEGOSOFT OS	Ethylhexyl Stearate	Evonik	Emollient	23.70
B	RHEOBYK-7590 PC	Trihydroxystearin	BYK	Rheology modifier	5.00
C	Locron P	Aluminum Chlorohydrate	AAKO	Active	20.00
	PURABYK-P 5541 SATIN	Bentonite	BYK	Absorbing agent	6.00
D	Japanese Romance	Parfum	Bell	Fragrance	0.30
Total					100.00

Instructions (manufacturing procedure)

- Melt ingredients of phase A at 80 °C, keep stirring for a while. Let it cool down to 70 °C.
- Transfer to a water bath (around 75 °C) and add phase B and Phase C under stirring (IKA paddle stirrer, 1,000 rpm), stir at least for 10 min.
- Cool stirring until 45–50 °C
- Add phase D before filling into packaging.

Characteristic data

- Appearance: solid slightly beige stick.
- Storage stability: 3 months at 40 °C.

RHEOBYK-7590 PC is a rheology additive based on a castor oil derivative and suitable for natural formulations.



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This issue replaces all previous versions.

