

Starting point formulation – Mild facial cleanser – gentle transparency

Gentle facial cleanser with **LAPONITE-XL 21** as a rheology additive, resulting in a gel with a transparent appearance. This formulation is fragrance-free.

Formulation

Phase	Tradename	INCI	Supplier	Function	Dosage (%)
A	Water	Aqua		Carrier	82.50
	LAPONITE-XL 21	Sodium Magnesium Fluorosilicate (nano)	BYK	Rheology modifier	0.75
	Cosphaderm X 24	Xanthan Gum	Cosphatec	Thickener	0.75
B	Perlastan L 30	Sodium Lauroyl Sarcosinate	Schill + Seilbacher	Surfactant	5.00
	Sulfofon 1216G	Sodium Coco Sulfate	BASF	Surfactant	5.00
	Plantaren 2000N UP	Decyl Glucoside	BASF	Surfactant	5.00
	Flocare C 107 LM PF	Polyquaternium-7	SNF	Film former	0.20
C	Euxyl PE 9010	Phenoxyethanol, Ethylhexylglycerin	Ashland	Preservative	0.80
Total					100.00

Instructions (manufacturing procedure)

- Add LAPONITE-XL 21 and Cosphaderm X 24 to the water of phase A while stirring (~800 rpm).
- After the formation of the gel add the surfactants of phase B one after the other while stirring.
- Then add the film former and phase C and adjust the pH to 5.5 with citric acid.
- Finally deaerate with centrifuge 2 min/3,000 rpm.

Characteristic data

- Appearance: almost clear gel.
- Storage stability: 3 months at 40 °C

LAPONITE-XL 21 is a rheology additive based on synthetic phyllosilicate providing a thixotropic stabilization and an extraordinary nice skin feel.



Your local
contact

BYK-Chemie GmbH
Abelstraße 45
46483 Wesel
Germany
Tel +49 281 670-0

info@byk.com
www.byk.com

ANTI-TERRA®, AQUACER®, AQUAMAT®, AQUATIX®, BENTOLITE®, BYK®, BYK-AQUAGEL®, BYK-DYNWET®, BYK-MAX®, BYK-SILCLEAN®, BYKANOL®, BYKCARE®, BYKETOL®, BYKIET®, BYKONITE®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CERACOL®, CERAFAK®, CERAFLOUR®, CERAMAT®, CERATIX®, CLAYTONE®, CLOISITE®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, HORDAMER®, LACTIMON®, LAPONITE®, NANOBYPK®, OPTIBENT®, OPTIGEL®, PURABYPK®, RECYCLOBYPK®, RHEOBYPK®, SCONA®, SILBYPK®, TIXOGEL® and VISCOBYPK® are registered trademarks of the BYK group.

The information contained herein is based on our current knowledge and experience. No warranties, guarantees and/or assurances of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties. Any information about suitability, use or application of the products is non-binding and does not constitute a commitment regarding the products' properties, use or application. Contractual terms and conditions, in particular agreed product specifications, always take precedence. We recommend that you test our products in preliminary trials to determine their suitability for your intended purpose prior to use. We reserve the right to make any changes and to update the information herein without notice.

