

PURIFYING CLAY MASK 04K

KAOLIN-BASED FORMULATION

Skin purification, creamy feel	CONSUMER BENEFITS
Skin care - face mask	APPLICATIONS
ImerCare® 04K, a very white kaolin, provides consistency. It absorbs sebum and impurities and is ideal for face masks.	DESCRIPTION
Imerys	SUPPLIER

TYPICAL FORMULATION INGREDIENTS

Phase	INCI Name	Ingredients	Function	%
A	C20-22 Alkyl Phosphate (and) C20-22 Alcohols	Sensanov WR (Seppic)	Emulsifier	3.0
	Pentaerythrityl Distearate	Cutina PES (BASF)	Consistency Agent	2.0
	Cetyl Alcohol	Lanette 16 (BASF)	Consistency Agent	2.0
	Octyldodecanol	Eutanol G (BASF)	Emollient	3.0
	Caprylic/ Capric Triglyceride	DUB MCT 5545 (Stearinerie Dubois)	Emollient	5.0
B1	Aqua	-	Solvent	QSP 100
	Disodium EDTA	EDETA BD (BASF)	Chelating Agent	0.1
B2	Xanthan Gum	Rhodicare T (Solvay)	Thickener	0.3
	Glycerin	-	Humectant	1.0
B3	Sodium Hydroxide	10% in a water solution	pH Adjuster	1.5
C	Glycerin	-	Humectant	5.0
	Propanediol (and) Aqua	ZEMEA Propanediol (IMCD)	Humectant	3.0
	Aqua	-	Solvent	12.5
	Kaolin	**ImerCare® 04K (Imerys)**	**Impurities Absorbency Agent**	**15.0**
D	Phenoxyethanol	Phenoxetol (Clariant)	Preservative	0.8
E	Benzyl Alcohol (and) Salicylic Acid (and) Glycerin (and) Sorbic Acid	Geogard ECT (Masso)	Preservative	0.6
	Sodium Hydroxide	10% in a water solution	pH Adjuster	0.1
	Fragrance	Corazon / SA LA 0042 (Accords & Parfums)	Fragrance	0.6

FORMULA SPECIFICATIONS

- pH: 6.3
- Viscosity 3M at RT: 47 100 mPa.s Brookfield S6 20rpm
- Stability: 3M at RT, 40°C, Cycles 4°C/40°C
- Challenge test: meets ISO 11930:2012 requirements

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PROCEDURE

- Weigh phase A, stir and heat to 75°C.
- Weigh B1, stir and heat. At 50°C, introduce the premix B2 and adjust the pH with B3.
- Premix phase C and add it to phase B and heat to 75°C.
- When the two phases are at 75°C, add phase A to phase B+C, stir with ultra turrax for 30 sec at 9500 RPM.
- Cool down to 50°C and add phase D.
- Cool down to 35°C and add phase E components one after another.