



EXOmer L64

POLOXAMER 184

Local. Global. Integrated.

Description

- non-irritant effect to the skin and eyes
- non classified product
- emulsifying agent
- cleaning agent
- solubilizing agent

Application

- shampoos, conditioners, hair dyes
- shower gels, liquid soaps
- washing and care cosmetics for children
- antiperspirants
- wet wipes
- face washing, make-up removal preparations
- face gels, tonics

in line with
cosmetic trends



guarantee the
consumer satisfaction



improvement of
Personal Care formulations



innovative
product



value
for money



EXOmer L64 POLOXAMER 184

Chemical name	Ethylene oxide and propylene oxide block copolymer	
INCI name	Poloxamer 184	
CAS number	9003-11-6	
Function	Emulsifying, cleaning, solubilizing agent	
Technical requirements	Appearance at temperature (20÷25)°C	liquid
	Color (Hazen units) at 50°C	max. 50
	Cloud point (aqueous solution)	59 ÷ 61
	Hydroxyl value, mg KOH/g	35 ÷ 43
General data	pH of 5% solution	5.5 ÷ 8.0
	Conductivity of 10% solution at 25°C, μS/cm	max. 10
	Water, % (m/m)	max. 0.3
	Molecular weight, g/mol	approx. 2900
	Solubility in water	good
	Other solvents	low aliphatic alcohols
	Density at 25°C, g/mL	approx. 1.04
	Viscosity at 25°C, cP	approx. 300
	Solidification point, °C	approx. 13

Mild face wash gel [KD-68]

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua		up to 100	solvent
	Acrylates/C10-30 Alkyl Acrylate Crosspolymer		0.80	rheology modifier
B	Sodium Hydroxide		0.40	pH adjuster
C	Poloxamer 184	EXOmer L64	4.00	surfactant
	Betaine		1.00	active
	Glycerin		3.00	solvent
	Parfum		0.25	fragrance
	Phenoxyethanol, Ethylhexylglycerin		0.80	preservative
	CI 42090		q.s	colorant
	Cocamidopropyl Betaine	ROKAmina K30	3.00	surfactant
	Appearance	visual method		blue, viscous gel
	pH			5.0 – 7.0
	Stability	1 month in 5°C, 20°C, 40°C		confirmed

Procedure:

1. In a main vessel combine ingredients from phase A - mix until uniform. Homogenize 1500-2000 RPM, 90 -120 sec.
2. Add Sodium Hydroxide - mix until uniform. Prepare the remaining ingredients in a separate beakers.
3. Add remaining ingredients while mixing. Mix until uniform. If necessary homogenize 2500-3000 RPM, 90 -120 sec.

Make-up removing liquid [KD-75]

Phase	INCI name	Brand name	Concentration [%]	Function
A	Pentylene Glycol		3.00	solvent
	Allantoin		0.10	active
	Sodium Lauroyl Sarcosinate	ROKAtend LS	2.00	surfactant
	Poloxamer 184	EXOmer L64	1.00	surfactant
	Phenoxyethanol, Methylparaben, Ethylparaben, Propylparaben		0.50	preservative
	PEG-40 Hydrogenated Castor Oil	ROKAcet HR40W	0.10	surfactant
	Parfum		0.10	fragrance
	Lactic Acid		0.05	pH adjuster
	Aqua		90.60	solvent
	Pentylene Glycol		3.00	solvent
B	Glycerin		2.50	solvent
	Xanthan Gum		0.05	rheology modifier

Appearance	visual method	transparent liquid
pH		5.5 – 7.0
Stability	1 month in 5°C, 20°C, 40°C	confirmed

Procedure:

1. In main vessel combine ingredients from phase A - mix until uniform.
2. In separate vessel combine ingredients from phase B - mix until uniform. Add to phase A.
3. Mix until uniform.





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The information in the catalogue is believed to be accurate and compiled to the best of our knowledge; however, it should be considered as introductory only. Detailed information about our products is available in TDS and MSDS.

The suggestions for product applications are based on our best knowledge.

The responsibility for the use of products in conformity or otherwise with the suggested application, and for determining product suitability for the user's own purposes rests with the user.

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