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Exol

*Designed with
the thought
about you*

EXOmer L64

POLOXAMER 184

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
	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
General data	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



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

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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