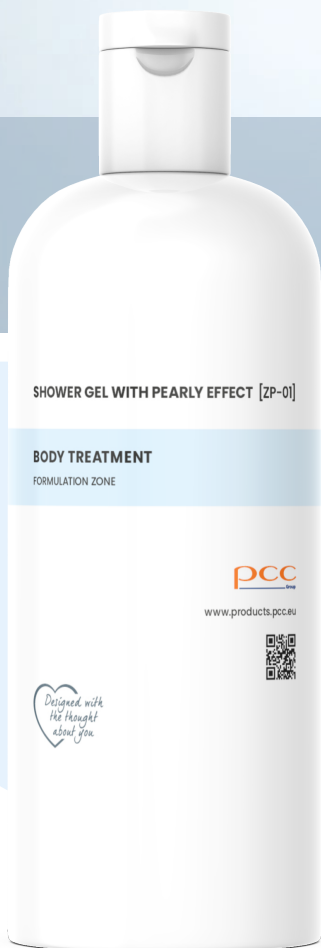




PENJAGAAN DIRI  
RAWATAN BADAN



GEL MANDIAN BERKESAN  
MUTIARA [ZP-01]

## GEL MANDIAN BERKESAN MUTIARA [ZP-01]

PHASE	INCI	BRAND NAME	CONCENTRATION [%]	FUNCTION
A	Aqua		46,12	pelarut
	Citric acid		0,15	pengubahsuai pH
	Polyquaternium 10		0,06	agen penyaman udara
	Disodium Laureth Sulfosuccinate	EXOsoft L3/40	2,50	surfaktan
	Sodium Laureth Sulfate	SULFOROKAnol® L227/1	20,00	surfaktan
	Sodium Lauroyl Sarcosinate	ROKAtend LS	20,00	surfaktan
	Sodium Benzoate, Potassium Sorbate		0,50	bahan pengawet
B	PEG-120 Methyl Glucose Dioleate		0,50	agen pemekat
C	Coco-betaine	ROKAmina®K30B	5,50	surfaktan
	Parfum		0,50	wangian
	Sodium Laureth Sulfate and Cocamide DEA and Glycol Distearate	EXOpearl N	2,00	agen mutiara
E	Sodium Chloride		2,00	pengubah kelikatan
	Citric acid		0,17	pengubahsuai pH



pH		5.0 - 5.5
Penampilan	kaedah visual	viscosus, gel mutiara
Kelikatan [cP]	Brookfield LV, gelendong 34, kelajuan 2.5 RPM, T: 25°C	3000 - 6000
Kestabilan	1 bulan pada 5°C, RT, 40°C	disahkan

## Procedure:

1. Masukkan bahan dari fasa A ke dalam air panas (70-75°C). Semasa mengadun tambah bahan satu demi satu mengikut susunan dari jadual di atas. Gaul sehingga seragam.
2. Sejukkan kumpulan ke sekurang-kurangnya 50°C.
3. Tambah PEG-120 Methyl Glucose Dioleate semasa mencampurkan. Gaul sehingga seragam. Sejukkan kumpulan ke sekurang-kurangnya 35°C.
4. Tambahkan pewangi dan Coco Betaine semasa mengadun. Gaul sehingga seragam.
5. Tambah agen mutiara. Gaul sehingga seragam.
6. Tambah Natrium Klorida untuk melaraskan kelikatan. CATATAN. Masukkan garam (bukan sekali gus) - selepas penambahan setiap bahagian gaul rata.
7. Kawal julat pH - jika perlu, tambahkan Asid Sitrik. Gaul rata selepas pelarasan.
8. Kawal kelikatan, jika perlu tambah Natrium Klorida.



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