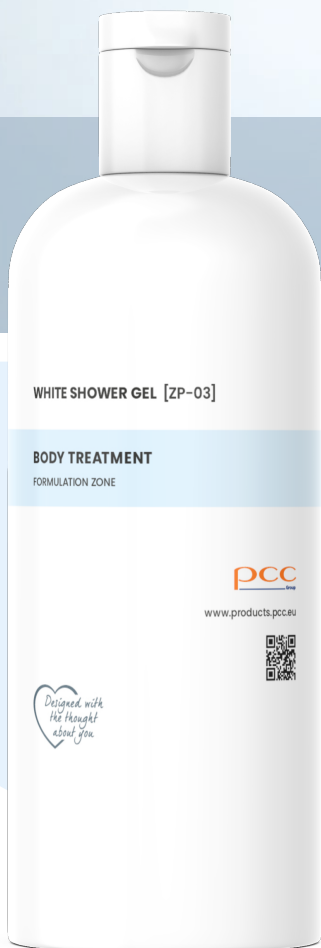




PENJAGAAN DIRI  
RAWATAN BADAN



# GEL MANDIAN PUTIH [ZP-03]

## GEL MANDIAN PUTIH [ZP-03]

PHASE	INCI	BRAND NAME	CONCENTRATION [%]	FUNCTION
A	Aqua		33,37	pelarut
	Acrylates/C10-30 Alkyl Acrylate Crosspolymer		0,40	pengubah kelikatan
	Sodium Hydroxide (30% solution)		0,25	pengubahsuai pH
B	Aqua		20,00	pelarut
	Xanthan Gum		0,45	pengubah kelikatan
	Glycerin		2,00	agen pelembap
	Polyquaternium 10		0,01	agen penyaman udara
C	Aqua		10,00	pelarut
	Talc		2,00	perapi kulit
	Mica, Titanium dioxide		0,02	agen mutiara
	Sodium Lauroyl Glycinate	ROKAtend GL	10,00	surfaktan
	Sodium Lauroyl Sarcosinate	ROKAtend LS	20,00	surfaktan
	Parfum		0,50	wangian
D	Ethylhexyl Glycerine, Phenoxyethanol		1,00	bahan pengawet



pH		6.0 - 7.5
Penampilan	kaedah visual	gel likat putih
Kelikatan [cP]	Brookfield LV, gelendong 34, kelajuan 2.5 RPM, T: 25°C	6000 - 9000
Kestabilan	1 bulan pada 5°C, RT, 40°C	disahkan

## Procedure:

1. Tuangkan air teryahion suam (40-50°C) ke dalam bekas utama dan tambahkan Acrylates/C10-30 Alkyl Acrylate Crosspolymer. Mulakan bancuhan apabila ejen telah dibasahi sepenuhnya. Campurkan sehingga larutan homogen diperolehi.
2. Tambah Natrium Hidroksida. Campurkan sehingga larutan homogen diperolehi.
3. Satukan bahan dari fasa B dalam bekas yang berasingan. Tambah Xanthan Gum ke Gliserin - gaul sehingga larutan homogen diperolehi. Tambah air suam (40-50°C) dan Polyquaternium-10. Campurkan sehingga larutan homogen diperolehi. Jika perlu, homogenkan selama 2-3 minit.
4. Tambah fasa B ke kapal utama. Campurkan sehingga larutan homogen diperolehi. Jika perlu, homogenkan selama 2-3 minit.
5. Satukan bahan dari fasa C dalam bekas yang berasingan. Panaskan sehingga 40°C dengan pengadukan lembut. Campurkan sehingga larutan homogen diperolehi.
6. Tambah fasa C ke dalam bekas utama. Campurkan sehingga larutan homogen diperolehi. Sejukkan batch hingga 30°C.
7. Tambah pewangi dan pengawet. Campurkan perlahan-lahan sehingga larutan homogen diperolehi.



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