

Title: Body Wash	Formulation #: KL4-95/4
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Effective bodywash formulation with gentle surfactants and nourishing plant oils providing moisturization. Celltice™ enables the effective emulsification of oil in a cleansing system without negatively impacting foam. A perfect starting point for your upcoming hydrating body wash or facial cleanser!

Feature	Product Type	Product Function	Method
	Body Wash	Cleanser, Moisturization	Hot process

Key Ingredients

Trade Name	INCI Name	Wt%
Cleanser Phase		
Deionized Water	Water	40.30
Ritafactant 138 ANEC (Rita Corp)	Decyl Glycoside (and) Sodium Lauroyl Lactylate (and) Disodium Cocoglycoside Citrate	20.00
Cocomidopropyl Betaine (Various)	Cocomidopropyl Betaine	10.00
D-Panthenol (Various)	Panthenol	1.00
Carbopol® Aqua SF-1 Polymer (Lubrizol)	Acrylates Copolymer	5.00
Potassium Hydroxide (Various)	Potassium Hydroxide	0.50
Resveratrol BT (Bio Component Research)	Water (and) Polygonum Cuspidatum Root Extract (and) Phenoxyethanol (and) Sodium Benzoate	1.00
White Tea BT (Bio Component Research)	Water (and) Camellia Sinensis Leaf Extract (and) Phenoxyethanol	1.00
Citric Acid (Various)	Citric Acid	0.20
Diocide (Centerchem)	Caprylyl Glycol (and) Phenoxyethanol (and) Hexylene Glycol	1.00

Oil Phase		
Jojoba Oil (Various)	Simmondsia Chinensis (Jojoba) Seed Oil	10.00
Celltice® WM (Renmatix)	Water (and) Acer Rubrum Extract (and) Glycerin	5.00
Deionized Water	Water	5.00

Instructions:

- 1) Charge vessel with deionized water, dissolve Veresene 220
- 2) Begin Heating to 80 °C
- 3) At 80 °C, reduce vigorous mixing and add Pureact I-85, Chembetain CGF and Protamid CME
- 4) Mix until uniform. Add Biowax. Cool to 40 °C while mixing.
- 5) Add Carbopol Aqua SF-1, then potassium hydroxide. Mix until uniform.
- 6) Pre-blend oil phase ingredients, homogenize or blend. Add to batch. QS.

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