

Treatment stage

Acne Clarifying Cleanser – Treatment

Formula# 100-10129

Material# 876617

Ingredients (Trade Name)	INCI Name	% w/w	Supplier
Phase A			
Purified Water	Water/Aqua	49.45	Local
Glycerin	Glycerin	3.00	Local
Benecel™ K-200M HPMC	Hydroxypropyl Methylcellulose	0.20	Ashland
Rhodacal™ A-246/L*	Sodium C14-16 Olefin Sulfonate	30.00	Rhodia
Phase B			
Salicylic Acid	Salicylic Acid	2.00	J.T Baker
Phase C			
Optiphen™ preservative	Phenoxyethanol (and) Caprylyl Glycol	0.75	Ashland
Phase D			
Ceraphyl™ 41 ester	C12-15 Alkyl Lactate	0.50	Ashland
Phase E			
Mackam™ C-37 HP*	Cocamidopropyl Betaine	12.00	Rhodia
Phase F			
FD&C Red N°40 07700-C (sol 0.1%)	Water/Aqua (and) CI 16035 (Red 40)	0.35	Sensient
Unicert™ Yellow 08006-J* (sol 0.1%)	Water/Aqua (and) CI 15985 (Yellow 6)	0.75	Sensient
Total		100.00	

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Procedure

1. At RT, premix Benecel K-200M and Glycerin. Add to water and mix. Add Rhodacal and mix.
2. Add Phase B to Phase A. Continue mixing until clear.
3. Add Phase C while mixing until the batch is clear. Add Phase D while keep mixing until all clear.
4. Add Phase E and mix until uniform and clear.
5. Add color and mix until uniform.
6. Stop at 25°C

Typical Properties

Appearance:	Clear Orange Gel
pH:	3.30 – 3.90
Viscosity:	16 000 – 30 000 cps (Brookfield RVT/Spindle D/5 RPM/1minute/25°C)

This formula has passed 3-month accelerated lab stabilities and a 28-day challenge efficacy test. However, the preservative system has not been optimized to its lowest effective level.

