

Anti-Acne Gel

O-0015

This transparent anti-acne gel features **Carbopol® * Ultrez 10 Polymer** and tea tree oil.

	INCI Name, Trade Name	Weight %	Function
A.	1. Deionized Water	88.105	Diluent
	2. Carbomer, Carbopol®* Ultrez 10 Polymer	0.60	Rheology Modifier
B.	3. Tetrasodium EDTA, <i>Trilon® B Liquid</i>	0.10	Chelating Agent
	4. Propylene Glycol	5.00	Humectant
C.	5. Aminomethyl Propanol, <i>AMP-95®</i>	0.36	Neutralizer
	6. Deionized Water	2.40	Diluent
D.	7. Propylene Glycol, Diazolidinyl Urea, Methylparaben, Propylparaben, <i>Germaben® II-E</i>	0.60	Preservative
	8. Tea Tree (Melaleuca Alternifolia) Oil (and) PEG-40 Hydrogenated Castor Oil (and) Polysorbate 20 (and) Water, <i>Soluble Tea Tree Oil</i>	2.70	Anti-Acne Agent (Botanical Oil)
E.	9. FD&C Yellow No. 6 / CI 15985 (1% solution)	0.10	Dye
	10. FD&C Blue No. 1 / CI 42090 (0.25% solution)	0.035	Dye

Procedure:

1. Sprinkle **Carbopol® * Ultrez 10 Polymer** on the surface of deionized water. After the polymer is thoroughly wetted, mix at low speed.
2. Add the ingredients of **PART B** to the **Carbopol® * Ultrez 10 Polymer** dispersion one after the other and mix until uniform.
3. Dissolve AMP-95® in deionized water, add to the batch and mix until uniform.
4. Add the ingredients of **PART D** in order to the batch. Mix after each addition until uniform.
5. Add the pigments and mix until uniform.

Product Properties:

Appearance	Clear, green gel
pH	5.8 – 6.4
Viscosity (mPa·s)**	48,000 – 54,000
Stability	Passed 1 month @ 45°C, 5 cycles freeze/thaw

** Brookfield DV – II+ (or RVT) @ 20 rpm @ 25 °C, RV spindle #7

Supplier References:

Noveon, Inc. (2)
BASF (3)
Dow / Angus (5)
ISP (7)
Main Camp (8)
Quantum Colours (9, 10)

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