

Conditioning & Moisturizing Hair Gel

S-G0011 (EU)

This crystal clear hair gel has moisturizing properties and gives luster, bounce, and soft conditioning. Carbopol®* ETD 2020 Polymer allows the use of a quaternized humectant in a crystal clear gel.

	INCI Name, Trade Name	Weight %	Function
A.	1. Deionized Water	89.00	Diluent
	2. Acrylates/C10-30 Alkyl Acrylate Crosspolymer, <i>Carbopol®* ETD 2020 Polymer</i>	1.00	Rheology Modifier
	3. Aminomethyl Propanol, <i>AMP-95®</i>	0.75	Neutralizer
B.	4. PEG-12 Dimethicone, <i>Dow Corning® 193 Surfactant</i>	0.50	Plasticizer
C.	5. Acetamidoethyl PG-Trimonium Chloride, <i>Quamectant AM-50</i>	5.00	Humectant
D.	6. Soluble Collagen, <i>Pancogène® Marin</i>	0.50	Hair Conditioner
	7. Laureth-23, <i>Brij™ 35P</i>	2.50	Solubilizer
E.	8. Phenoxyethanol, Methylparaben, Butylparaben, Ethylparaben, Propylparaben, Isobutylparaben, <i>Euxyl® K 300</i>	0.50	Preservative
F.	9. Aminomethyl Propanol, <i>AMP-95®</i>	0.25	Neutralizer

Product Properties:

Appearance	Clear gel
pH	6.5 – 7.0
Viscosity (mPa-s)**	13,000 – 18,000
Clarity (%T)***	80 – 86
Stability:	Passed 3 months @ 45°C, 5 cycles freeze/thaw

** Brookfield DV-II+ (or RVT) @ 20 rpm @ 25°C, RV spindle #6

*** Brinkmann PC 801 colorimeter, 420 nm

Supplier References:

- Noveon, Inc. (2)
- Dow / Angus (3, 9)
- Dow Corning (4)
- Arch (5)
- Gattefossé (6)
- Uniqema (7)
- Schulke & Mayr (8)

Procedure:

- Disperse **Carbopol®* ETD 2020 Polymer** in deionized water. Mix until polymer is dispersed.
- Neutralize batch with given amount of AMP-95®. Mix until no lumps are present.
- Add PEG-12 Dimethicone.
- Add **PART C** and mix until uniform.
- Mix the ingredients of **PART D** with moderate heat and add to batch. Mix until uniform.
- Add the preservative and mix until uniform.
- Add remaining amount of AMP-95® to obtain a pH between 6.5 and 7.0.

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(EU-0015)

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For more information visit www.noveon.com or www.carbopol.com or contact your nearest Noveon location.

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