

Soft and Smooth Textured Hair Gel

Hair Gel with Medium Hold

HB-DE-21-PG-2281984-209



Phase	Ingredients	INCI	% by weight	Function
A	Water, demin.	Aqua	93.92	
	Glycerin	Glycerin	3.00	Humectant
	Calcium Chloride (10% solution)	Calcium Chloride	0.44	Complexing agent
	Sodium Benzoate	Sodium Benzoate	0.50	Preservative
B	Verdessence™ Glucomannan	Glucomannan	0.66	Rheology modifier and fixative
	Verdessence™ Alginate	Algin	0.66	Rheology modifier and fixative
	Verdessence™ Tara	Caesalpinia Spinosa Gum	0.66	Rheology modifier and fixative
C	Citric Acid (50% solution)	Citric Acid	0.16	pH Adjustment

Specifications

pH value (23°C)	4,8
Viscosity (Brookfield; RVF; spindle 7; 10 rpm; 23°C)	112000 mPa s

Performance

Curl retention (gel; 5h; 25°C; 90% r.h.; ST-0120-02)	98+-2 %
Curl retention (gel; 24h; 25°C; 90% r.h.; ST-0120-02)	98+-2 %
Stiffness (Gel; 21°C; 65%; ST-0100-08)	453+-66 cN

Manufacturing Process

Stirr phase A until completely dissolved.
Add biopolymers from phase B using homogenizer to avoid lumps.
Stirr two hours using normal lab mixer. If still lumps are present continue stirring until formulation looks homogeneous.
Add phase C and stir another 15 minutes.

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