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Hair Gel on Starch Basis (SLI-017)

This hair gel was formulated to work with most hair types. It has conditioning and moisturizing properties, resists being sticky or flaky and is easily work through all hair types.

Phase	Ingredient	INCI	% w/w	Function
A	Water demin.	AQUA	76.49	
	Glycerin 99,5% (Glaconchemie GmbH)	GLYCERIN	3.00	Humectant
	Phenoxyethanol (Sharon Laboratories Ltd.)	PHENOXYETHANOL	1.00	Preservative
	QUATIN® 350 TQ-D (Cosun Beet Company)	HYDROXYPROPYLTRIMONIUM INULIN	1.00	Conditioner
B	POTATO-JEL NATURAL (AGRANA Stärke)	DISTARCH PHOSPHATE	8.00	Rheology Modifier
	AGENABON 20.219 (AGRANA Stärke)	HYDROLYZED CORN STARCH	10.00	Rheology Modifier
	XG FNCSP-PC	XANTHAN GUM	0.50	Rheology Modifier
C	Sodium Hydroxide 10%	SODIUM HYDROXIDE	QS	pH – Adjuster

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Specification:

Appearance: Slightly opaque gel

pH-value: 6.80 – 7.20

Viscosity: approx. 14000 mPas
(IKA Rotavisc me-vi, SP9, 5rpm, 20°C)

Stability: Stable for 3 months at 4°C, 20°C and 40°C,
1 month at 45°C

Procedure:

- I. Mix the components of phase A while stirring and heat up to 70°C.
- II. Add Phase B to Phase A and stir intensively until the gel is homogeneous.
- III. Cool down to 35°C and set pH-value with phase C.

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