

NEW AGRANA STARCH THICKENER FOR HYDROGELS

AGENAJEL CLEAR

AGRANA developed two new starch thickeners with excellent thickening power:

- AGENAJEL CLEAR effects strong thickening power and high transparency hydrogels.
- POTATO-JEL NATURAL (COSMOS approved) shows high thickening effect with semi-transparent gels.

Following hydrogel sample with AGENAJEL CLEAR show the suitability to thicken gels for:

HAIR GEL FORMULATION

”Formulated and developed by Azelis Personal Care EMEA, Germany”

Natural based Hair Gel Formulations				
Ingredients	INCI-Name	XANTHAN GUM % w/w	AGENAJEL CLEAR % w/w	Supplier
Phase A				
Demin. Water	Aqua	79,50	73,50	
Glycerine	Glycerin	4,00	4,00	
AGENABON 20.219	Hydrolyzed Corn Starch	10,00	10,00	AGRANA
Phase B				
AGENAJEL CLEAR	Hydroxypropyl Starch Phosphate	0,00	7,50	AGRANA
Ouvricare T (XG)	Xanthan Gum	1,50	0,00	Azelis
Phase C				
Ethanol	Ethanol	4,00	4,00	
Phenoxyethanol	Phenoxyethanol	1,00	1,00	

PROCEDURE:

Mix all ingredients of phase A until clear and heat up to 60°C. Add phase B to phase A, whilst stirring and homo-genize 2 min with Ultraturrax. Add phase C and to phase AB and adjust pH to approx 7.0 whilst stirring.

COMMENT:

AGENAJEL CLEAR forms natural based, semi transparent Hair Gels with comparable rheological properties to synthetic thickened gels. The addition of ethanol speeds up drying behavior on hair. AGENABON 20.219 has the function of natural styling agent. Sample with 1,5% XANTHAN GUM is added for sensory comparison.



AGRANA Starch / AGRANA Stärke GmbH

Tel.: +43/2852/503-0, e-mail: cosmetics.starch@agrana.com

This formulation is indicative only and no responsibility whatsoever will be assumed. This formulation is offered solely for your consideration, investigation and verification. It is your responsibility to thoroughly test any formulations before use. All those who use our formulations as well as those who process AGRANA Starches are themselves entirely responsible for the adherence to prevailing statutory regulations and the observance of patent rights as well as other protective rights for other companies. AGRANA does not assure any liability with respect to the composition of the formulation or the use in products.