

CURL STYLING PUMP SPRAY

with MAIZE-STYLE ORGANIC and AGENANOVA 30.326

"Formulated and developed by AGRANA"

AGRANA offers natural starch based styling agents for improved curl retention:

- **MAIZE-STYLE ORGANIC** (INCI: Hydrolyzed Corn Starch)
- **AGENANOVA 30.26** (INCI: Maltodextrin)
- **AGENABON 20.219** (INCI: Hydrolyzed Corn Starch)

Formulation Curl Styling Pump Spray

Ingredients	INCI-Name	% w/w	Supplier
Phase A			
Aqua	Aqua	84,60	
Propanediol (1,3)	Propanediol (1,3)	6,00	
Tego Solve 90MB	Polyglyceryl-4 Caprate, Polyglyceryl-6 Caprylate	0,50	Evonik
Sodium Benzoate	Sodium Benzoate	0,30	
Potassium Sorbate	Potassium Sorbate	0,30	
Panthenol	D-Panthenol	0,30	DSM
Glycerine	Glycerine	0,50	
Hydrolyzed Vegetable Protein	Hydrolyzed Vegetable Protein	0,50	CLR
Phase B			
MAIZE-STYLE ORGANIC	Hydrolyzed Corn Starch	4,00	AGRANA
AGENANOVA 30.326	Maltodextrin	3,00	AGRANA
Phase C			
Citric acid	Citric acid	for pH 5,2	

PROCEDURE:

Mix Phase A whilst stirring.

Add Phase B whilst stirring until homogenous.

Adjust pH with citric acid to pH 5,0 – 5,2



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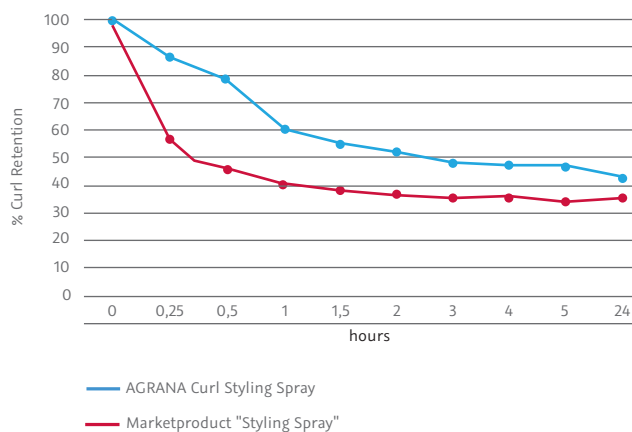
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TESTING RESULTS:

The curl styling spray was applicated on european nature hair, fixed on hair curlers, dried and tested for curl retention in a climate cabinet at 80 % humidity for 24 h.

Curl Retention (80 % Humidity, 24 h)



SUMMARY KEY POINTS:

- good curl retention for natural product
- increased hair volume
- improved hair feel

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