



Jungbunzlauer

From nature to ingredients®

Powerful hair gel

with Xanthan Gum

Use the Jungbunzlauer natural hair gel with Xanthan Gum to style your hair with a long lasting fixation effect. Apply the product by raking it through clean wet or dry hair and style it.

Benefits

Rheology

Thanks to our xanthan gum the Jungbunzlauer hair gel allows excellent application and styling properties. The rheological profile of our naturally thickened formulation meets those of today's synthetic benchmark products. This allows you to go out in sustainable style.

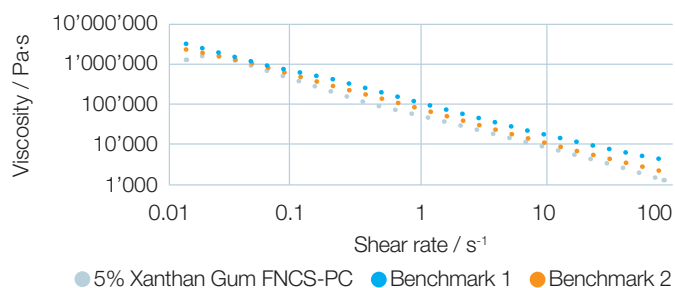
Curl retention

The Jungbunzlauer hair gel provides long lasting and stable curls over weather and time hurdles, allowing your curls to stay well defined during a full day.

Proof of benefits

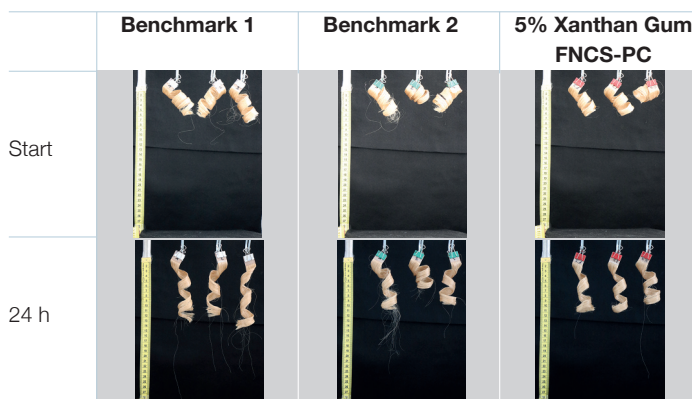
Results of the rheology evaluation

Flow curve



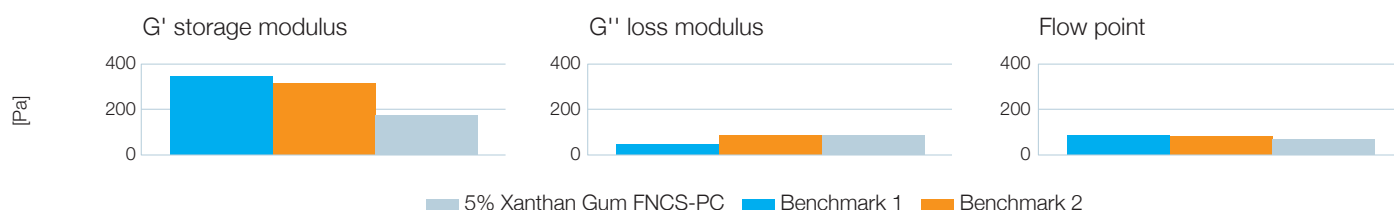
Typical for all hair gels is their shear thinning flow behaviour. A perfect match for xanthan gum.

Results of the curl retention test



Excellent fixation properties of xanthan gum: no significant differences between synthetic benchmarks and the formulation with xanthan gum regarding curl retention performance.

Results of the rheology evaluation



Also when looking at the viscoelastic properties, our xanthan gum FNCS-PC meets with the ranges typically found for synthetic benchmarks.

Jungbunzlauer Ingredients

Name	Xanthan Gum FNCS-PC	Citric Acid Anhydrous
INCI	Xanthan Gum	Citric Acid
Function	Thickener	Buffering
ISO 16128 ¹⁾	NOI = 1	NOI = 1
COSMOS	Yes	Yes
Biodegradability ²⁾	Readily biodegradable	Readily biodegradable
CAS number	11138-66-2	77-92-9
EC number	234-394-2	201-069-1
REACH number	Exempted from registration	01-2119457026-42

¹⁾ Natural origin index ²⁾ Method: OECD test guideline 301

Formulation

Phase	Ingredients	INCI	Supplier	Quantity
A	Water demin.	Aqua		Qs to 100
	Glycerine	Glycerine		3.00 %
	Preservative			Qs
B	Xanthan Gum FNCS-PC	Xanthan Gum	Jungbunzlauer	5.00 %
C	Citric Acid Anhydrous	Citric Acid	Jungbunzlauer	Qs

Directions

- 1 Mix ingredients of phase A one after another whilst stirring
- 2 Add phase B whilst stirring and until xanthan gum is completely dissolved
- 3 Set pH value with phase C if necessary

Technical Data

Appearance: clear, highly-viscous gel

Viscosity Brookfield: (Sp. 6 / 10 RPM): 3000 – 8000 mPa·s

pH Value: 5.0 – 5.5

Stability

Stable for 3 months at RT