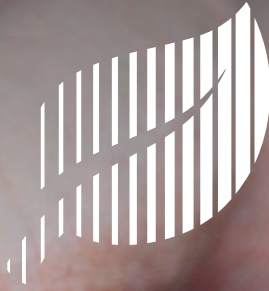


*Personal Care*  
from Scott Bader

 SCOTT BADER  
Making a **positive** difference



# Texique<sup>®</sup>

Bio-based personal care additives

A range of bio-based rheology modifiers and naturally derived cationic starches for the personal care market.



## About Texique

The Texique range of products includes high performing rheology modifiers, emulsifiers and conditioning agents for the personal care market, all manufactured to have a high natural index, none of which are animal-based.

Through conscious innovation, our Texique products are developed with both sustainability and the environment in mind, making a positive difference to every life we touch.



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# Texique 100% natural emollient

## Key characteristics of Texique Lux5

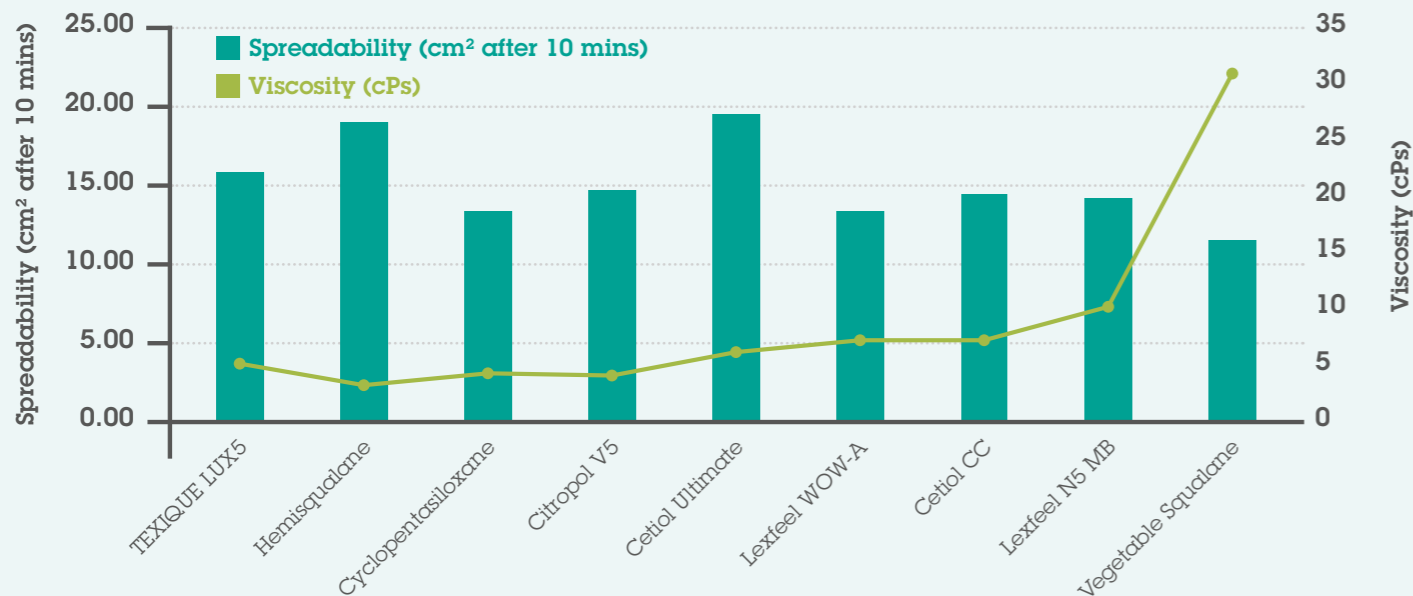
A 100% naturally derived silicone free and quick spreading light emollient for personal care applications, providing many of the sensory properties of low viscosity silicones.



| Product | Natural Index | Natural Origin Index | Organic Index | Organic Origin Index |
|---------|---------------|----------------------|---------------|----------------------|
| Lux5    | 0.20          | 1.00                 | 0             | 0                    |

## High spreadability

Texique Lux5 shows high spreadability in comparison to Cyclopentasiloxane (D5) and comparable or better than many other naturally derived emollients as shown here.



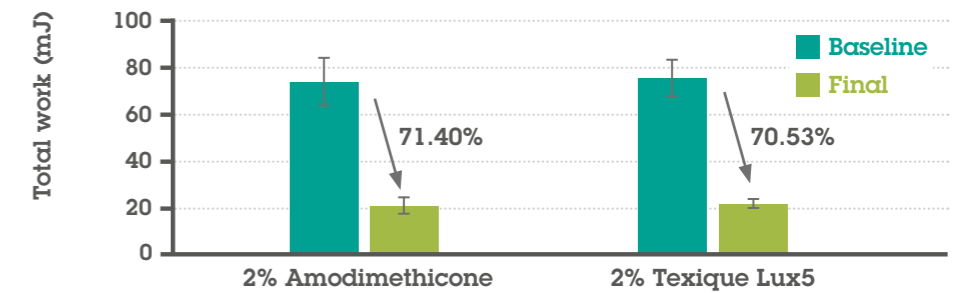
## Easy combing

Texique Lux5 shows good wet and dry combability comparable to Amodimethicone when tested at 2% (as supplied) in a simple hair conditioner formulation. Over 70% reduction in combing forces was seen for wet combability and over 50% reduction for dry combability.

Texique Lux5 is a suitable natural alternative to silicone Amodimethicone helping to improve both wet and dry combing, thus enabling silicone free formulations.

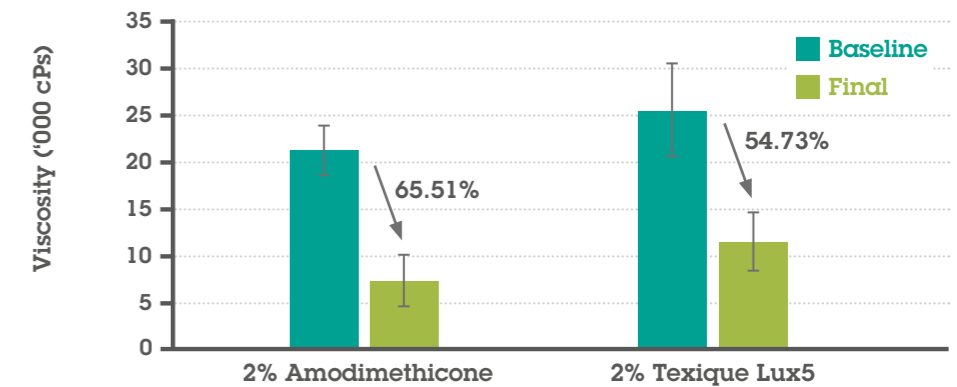
## Wet combability

Comparison of total work for final and baseline measurements for wet combability.



## Dry combability

Comparison of total work for final and baseline measurements for dry combability.



## Comparison of make up removal

Texique Lux5 is a sustainable naturally derived alternative to leading silicone and petroleum-based ingredients for cosmetic make up removal formulations.

|                   | Texique Lux5 | Isododecane | Cyclopentasiloxane (D5) |
|-------------------|--------------|-------------|-------------------------|
| <b>Lipstick</b>   |              |             |                         |
| No treatment      |              |             |                         |
|                   |              |             |                         |
| <b>Foundation</b> |              |             |                         |
| No treatment      |              |             |                         |
|                   |              |             |                         |
| <b>Mascara</b>    |              |             |                         |
| No treatment      |              |             |                         |
|                   |              |             |                         |

Texique Lux5 shows high cleansing ability against all make up items evaluated and better performance than Cyclopentasiloxane (D5). Isododecane is widely used but is petroleum derived. Texique Lux5 showed comparable cleansing performance to Isododecane for both lipstick and foundation, whilst Isododecane gave improved mascara removal.

# Texique anionic rheology modifiers

## Key characteristics of Texique HE10, HE20 and HE50

Multifunctional, providing thickening, stabilising, emulsifying and texturing properties.

**Texique<sup>®</sup>**  
**HE10**

**Texique<sup>®</sup>**  
**HE20**

**Texique<sup>®</sup>**  
**HE50**

Minimum **60%** naturally derived **No** animal based ingredients  
**Preservative Free**

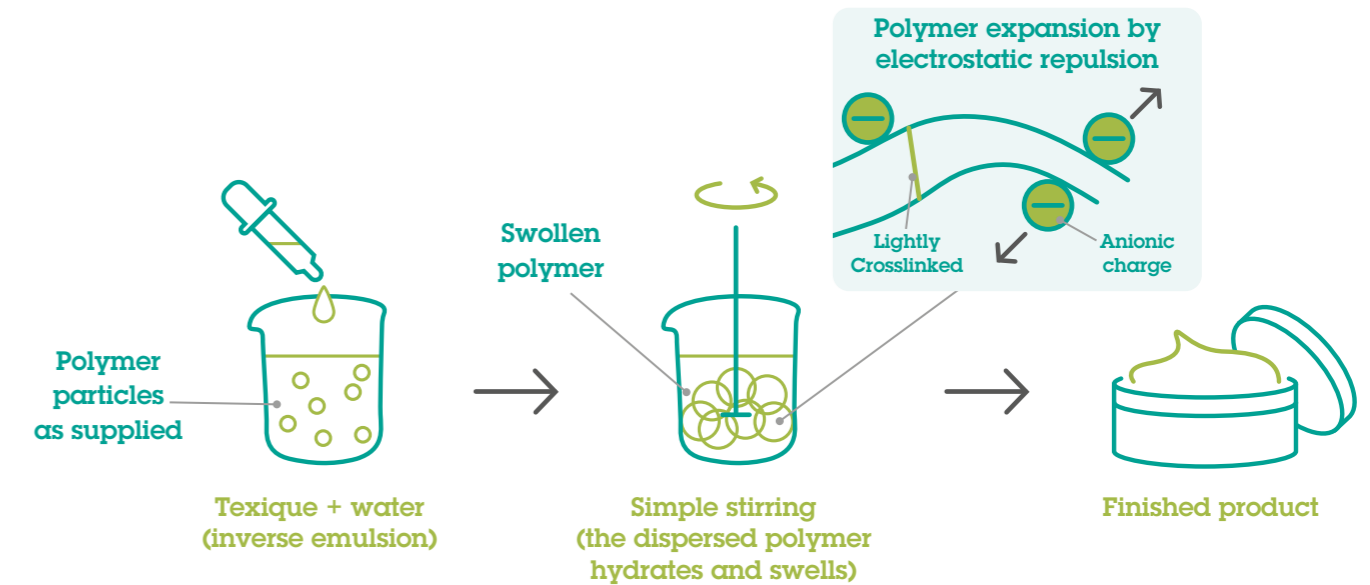


| Product | NOI* | Thickening | pH Stability | Emulsification | Electrolyte resistance | Compliance              | Key feature            |
|---------|------|------------|--------------|----------------|------------------------|-------------------------|------------------------|
| HE10    | 62%  | Good       | 5.50 - 11    | Up to 40%      | Very Good              | Global                  | Emulsifier             |
| HE20    | 61%  | Excellent  | 4.00 - 11    | Up to 30%      | Good                   | Global - Except China** | Thickener              |
| HE50    | 68%  | Very Good  | 5.0 - 11     | Up to 30%      | Excellent              | Global                  | Electrolyte resistance |

\*Natural Origin Index ISO16128. \*\*China registration in progress.

## How it works

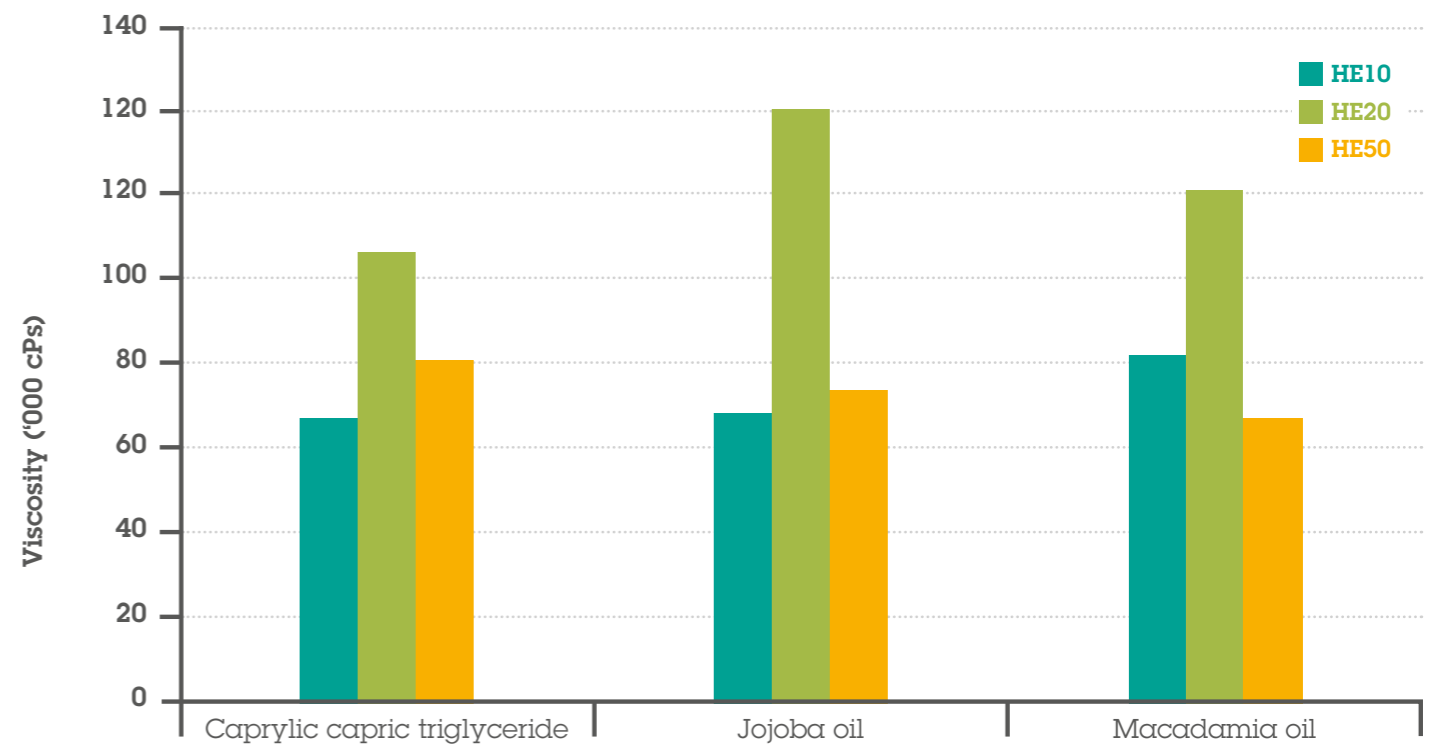
Texique is the ideal bio-based additive to create quality personal care products.



## High performance and quality

### Emulsification

High viscosity achieved with 30% emollient when using just 3% Texique products in water. Personal care products can be formulated into sprays or creams.

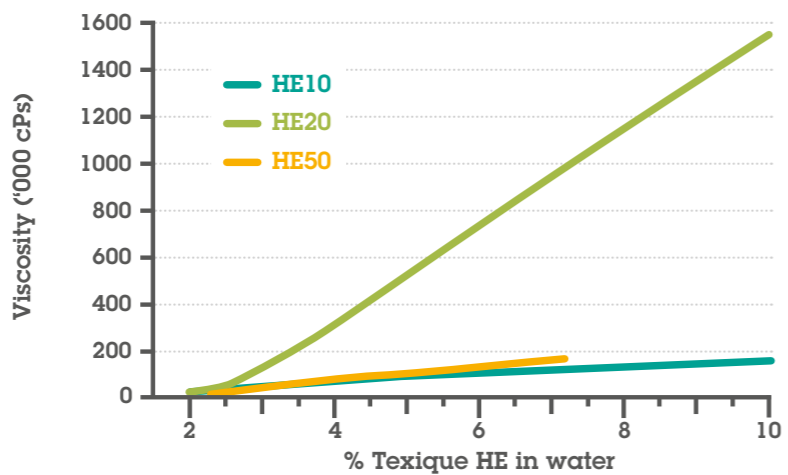


Emulsification with up to 30% emollient



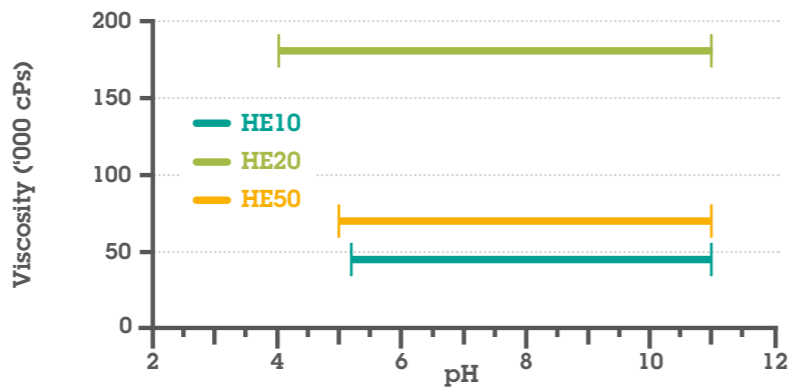
### Thickening

Our patented technology ensures that Texique HE products deliver an excellent thickening range in water.



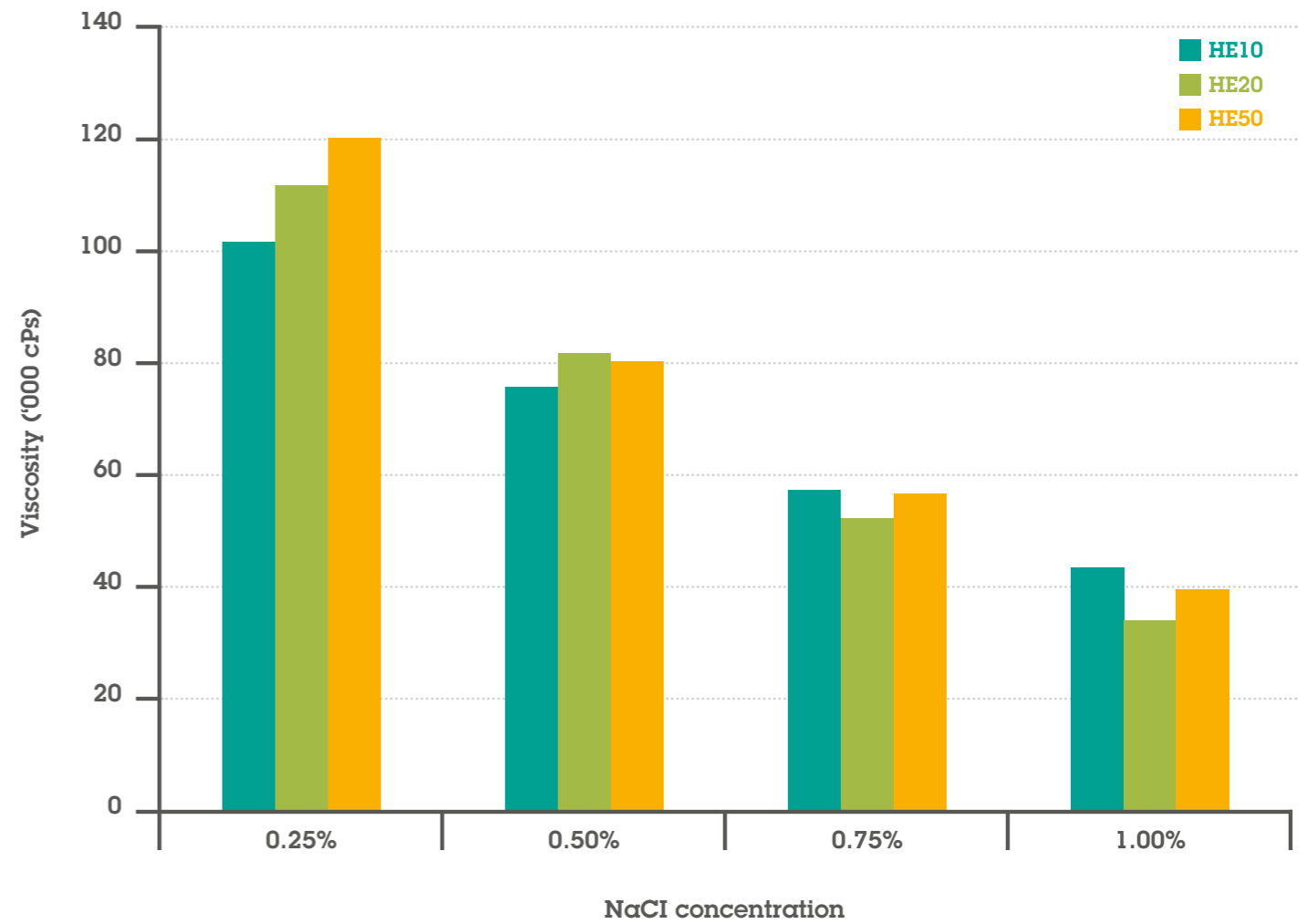
### pH resistance

The pH effect on thickening when Texique is added to water at 3%.



### Electrolyte resistance

Electrolyte resistance on thickening for the Texique HE range in water at 7%.



### Example formulation using anionic rheology modifiers:

- 61.2% de-ionised water
- 0.8% preservative
- 3% Texique HE10
- 35% macadamia oil

### Method:

- Weigh water and preservative into a beaker, mix well
- Add Texique HE10 to the stirring mixture at 800 rpm, mix for 10 minutes
- Add macadamia oil and stir for 20 minutes at 1000 rpm



# Texique naturally derived cationic starches

## Key characteristics of Texique CS-P and CS-32

Improves the spreading characteristics of the final product, enabling easier application, dispensing and spreading. Available in powder or liquid form.



| Product | NOI* | Physical form | Spreading characteristics                        | Use in skin care | Use in hair care | Key feature  |
|---------|------|---------------|--|------------------|------------------|--|
| CS-P    | 75%  | Powder        | Improves final product spreading characteristics | ✓                | ✓                | Improved hair shine and good for use in water conscious formulations |
| CS-32   | 93%  | Liquid        | Improves final product spreading characteristics | ✓                | ✓                | Easy to use and excellent for fine hair types                        |

\*Natural Origin Index ISO16128.

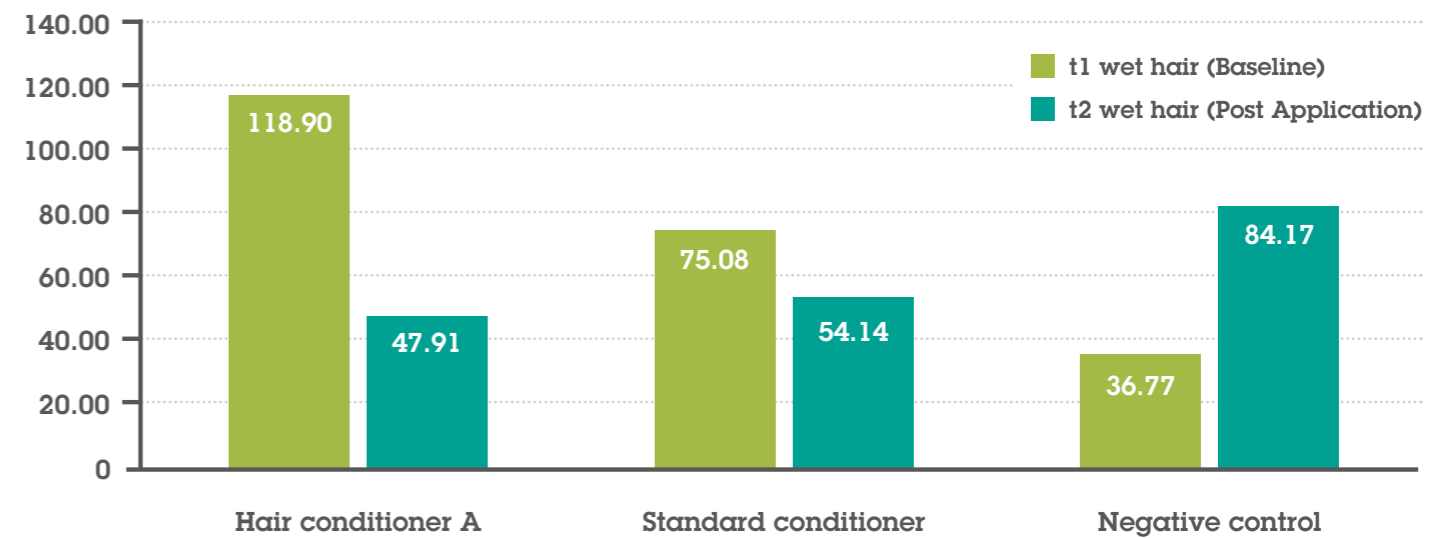
## Conditioning benefit

Texique CS-P was incorporated into a simple hair conditioner formulation at 0.30% w/w (Hair conditioner A) and assessed for conditioning benefit on both wet and dry comb attributes using a TA.XT plus texture analyser.

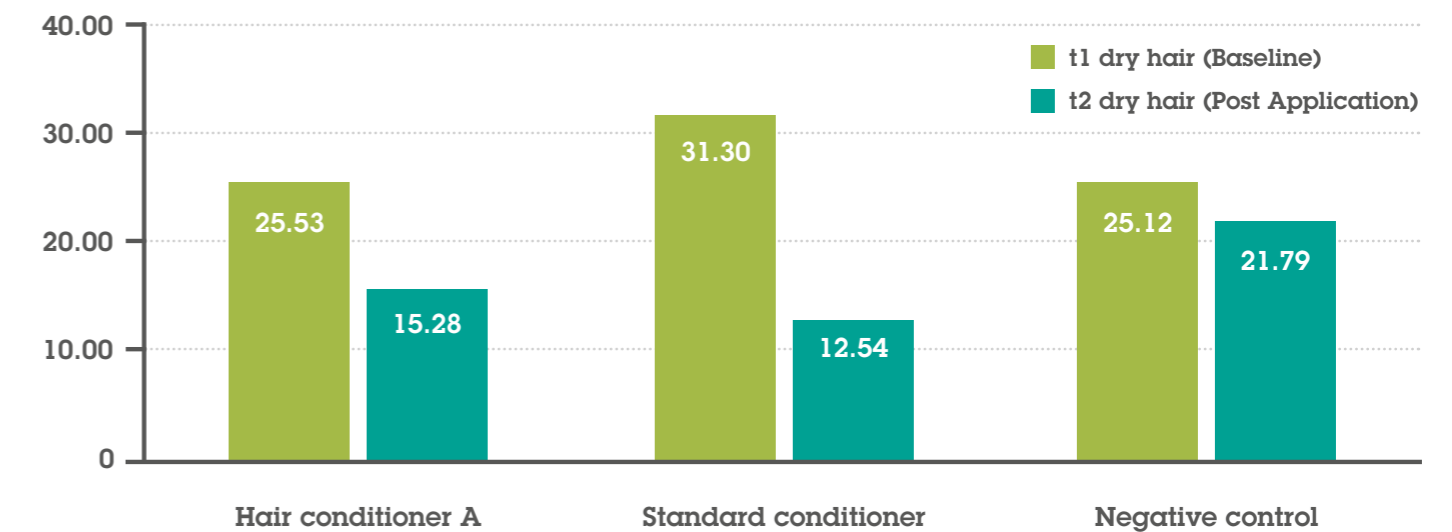
The standard conditioner formulation contains a commercially available, competitor equivalent material, at the same active level.

Hair conditioner A was shown to have a combing effect on wet hair when compared with the negative control and is comparable to the standard conditioner. Hair conditioner A also shows a combing effect on dry hair which is comparable to the standard conditioner.

## Combing Forces, Mean Values, Wet Hair



## Combing Forces, Mean Values, Dry Hair

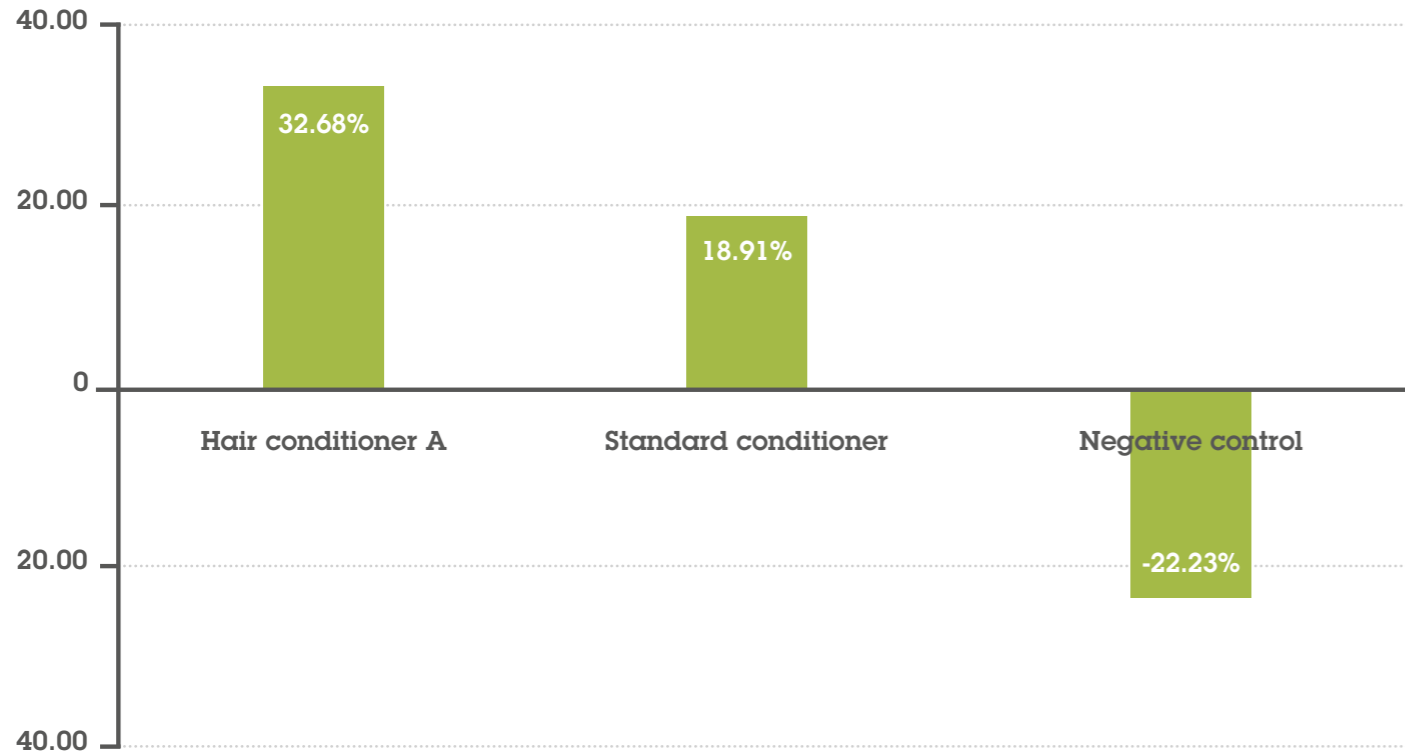


## Hair shine


Texique CS-P was incorporated into a simple hair conditioner formulation at 0.30% w/w (Hair conditioner A) and assessed for hair shine using a Glossometer GL200. Results were compared with a standard conditioner formulation containing a commercially available, competitor equivalent material, at the same active level and a negative control.

Hair conditioner A shows a significant increase in hair shine when compared to the negative control and slightly better results than the standard conditioner formulation.

### Hair Shine % Difference Values (After Product Application t2)

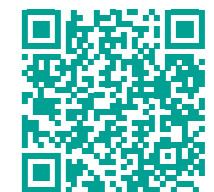


 **Texique<sup>®</sup>**  
**CS-P**

 **Texique<sup>®</sup>**  
**CS-32**

For starting point formulations  
using Texique CS-P and CS-32,  
register on our website.

[scottbaderpersonalcare.com](http://scottbaderpersonalcare.com)



## INCI names:

### Lux5

C13-15 alkane, Caprylic/Capric Triglyceride

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### HE10

Sodium acrylate/sodium acryloyldimethyltaurate copolymer, C13-15 alkane, coco-glucoside

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### HE20

AMPS/HEMA cross polymer, C13-15 alkane, coco-glucoside

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### HE50

Acrylates/acrylamide copolymer, C13-15 alkane, Trideceth-7

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### CS-32

Aqua, Starch Hydroxypropyltrimonium Chloride, Phenoxyethanol, Sodium Benzoate

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### CS-P

Starch Hydroxypropyltrimonium Chloride



## Distributor details:



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Issue 6 - April 2024