

Personal Care
from Scott Bader

SCOTT BADER
Making a **positive** difference



Texique®

Bio-based personal care additives

A range of bio-based and naturally derived ingredients 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

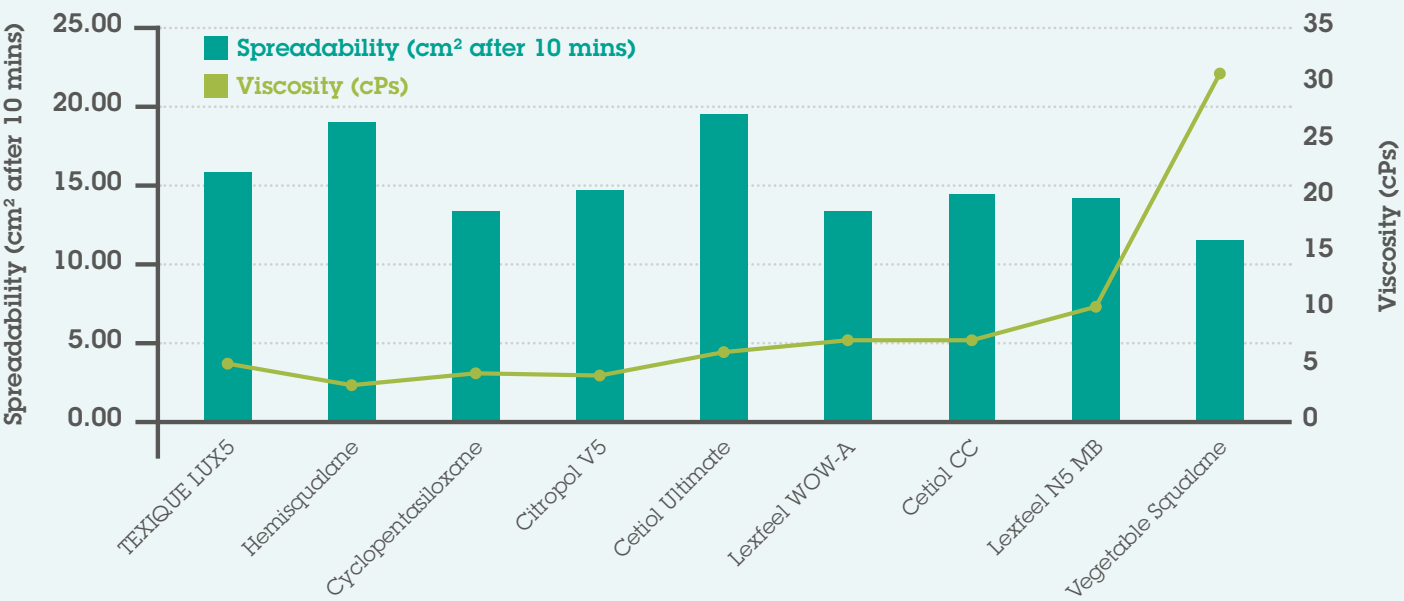
A 100% naturally derived silicone free and quick spreading light emollient for personal care applications, providing many of the sensory properties of low viscosity silicones.



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.



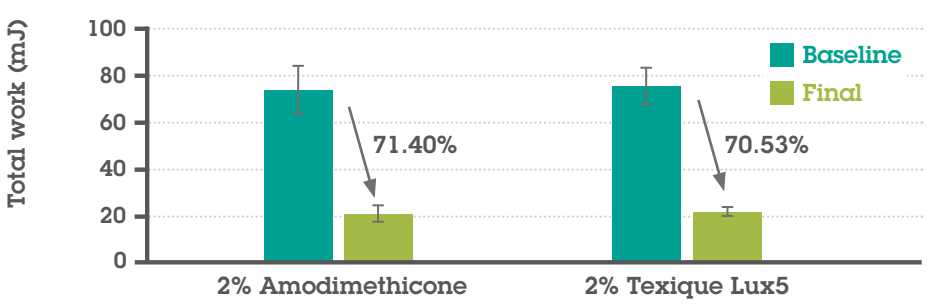
Easy combing

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.

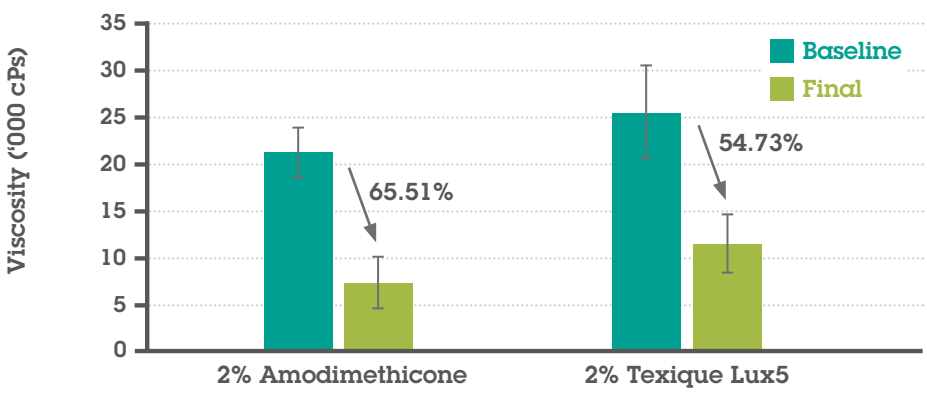
Wet combability

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)
Lipstick			
No treatment			
Foundation			
No treatment			
Mascara			
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 texturising properties.

**Texique[®] HE10**



**Texique[®] HE20**




**Texique[®] HE50**



Minimum
60%
naturally
derived

No
animal based
ingredients

**Preservative
Free**

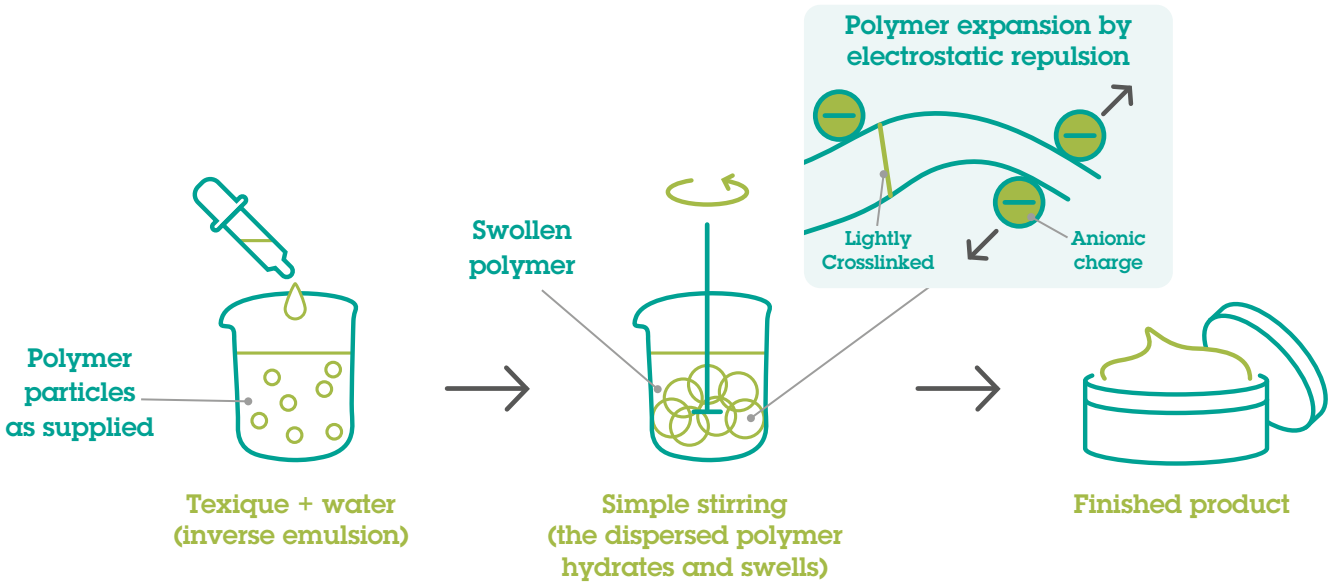


Product	NOI*	Thickening	pH Stability	Emulsification	Electrolyte resistance	Compliance	Key feature
HE10	62%	Good	5.50 - 11	Up to 40%	Very Good	Global	Emulsifier
HE20	61%	Excellent	4.00 - 11	Up to 30%	Good	Global - Except China**	Thickener
HE50	68%	Very Good	5.0 - 11	Up to 30%	Excellent	Global	Electrolyte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

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

How it works

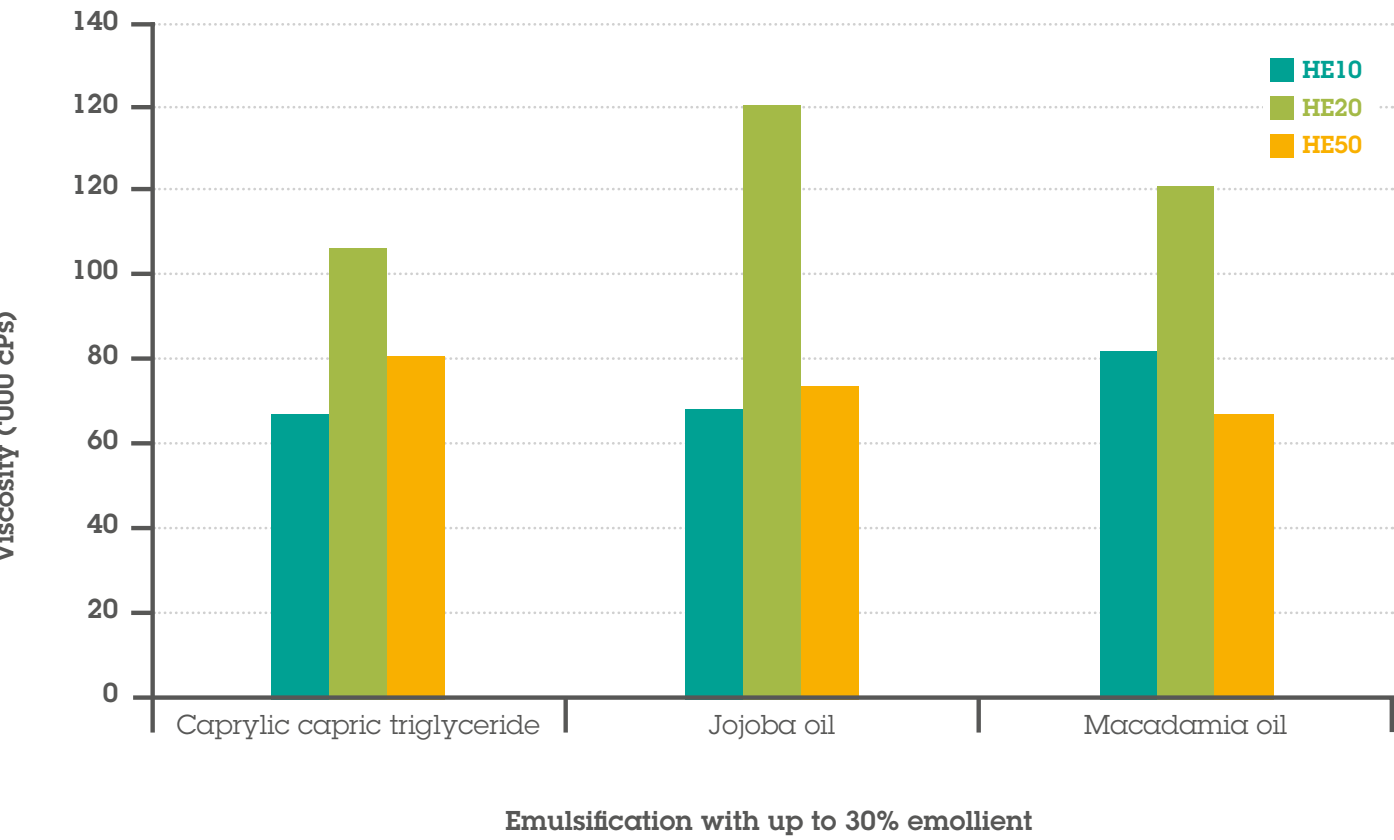
Texique is the ideal bio-based additive to create quality personal care products.



High performance and quality

Emulsification

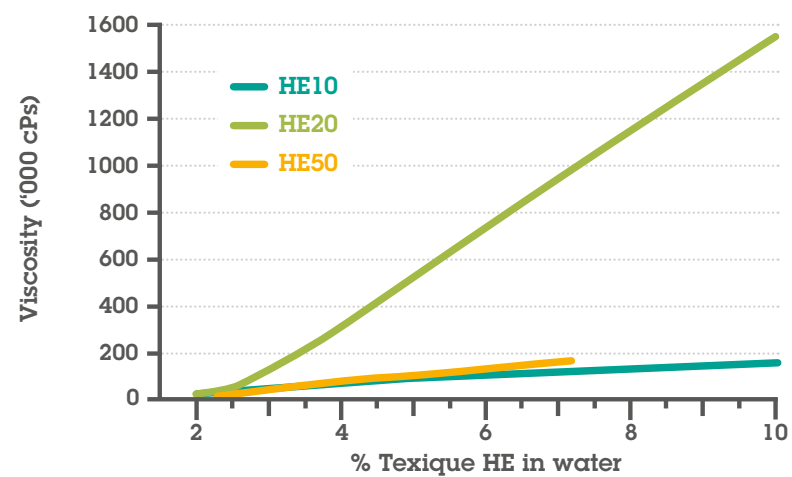
High viscosity achieved with 30% emollient when using just 3% Texique products in water. Personal care products can be formulated into sprays or creams.





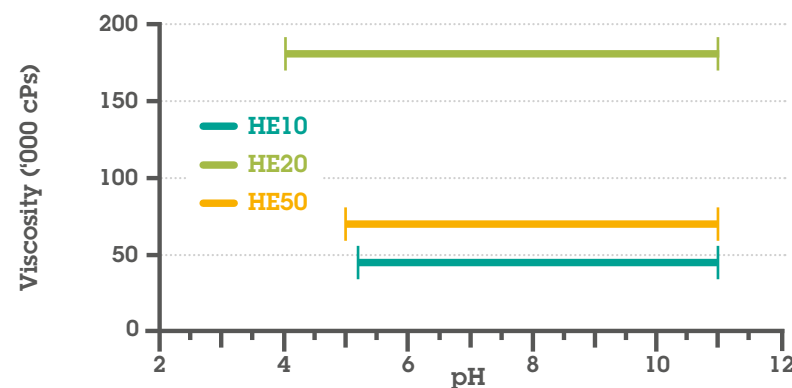
Thickening

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



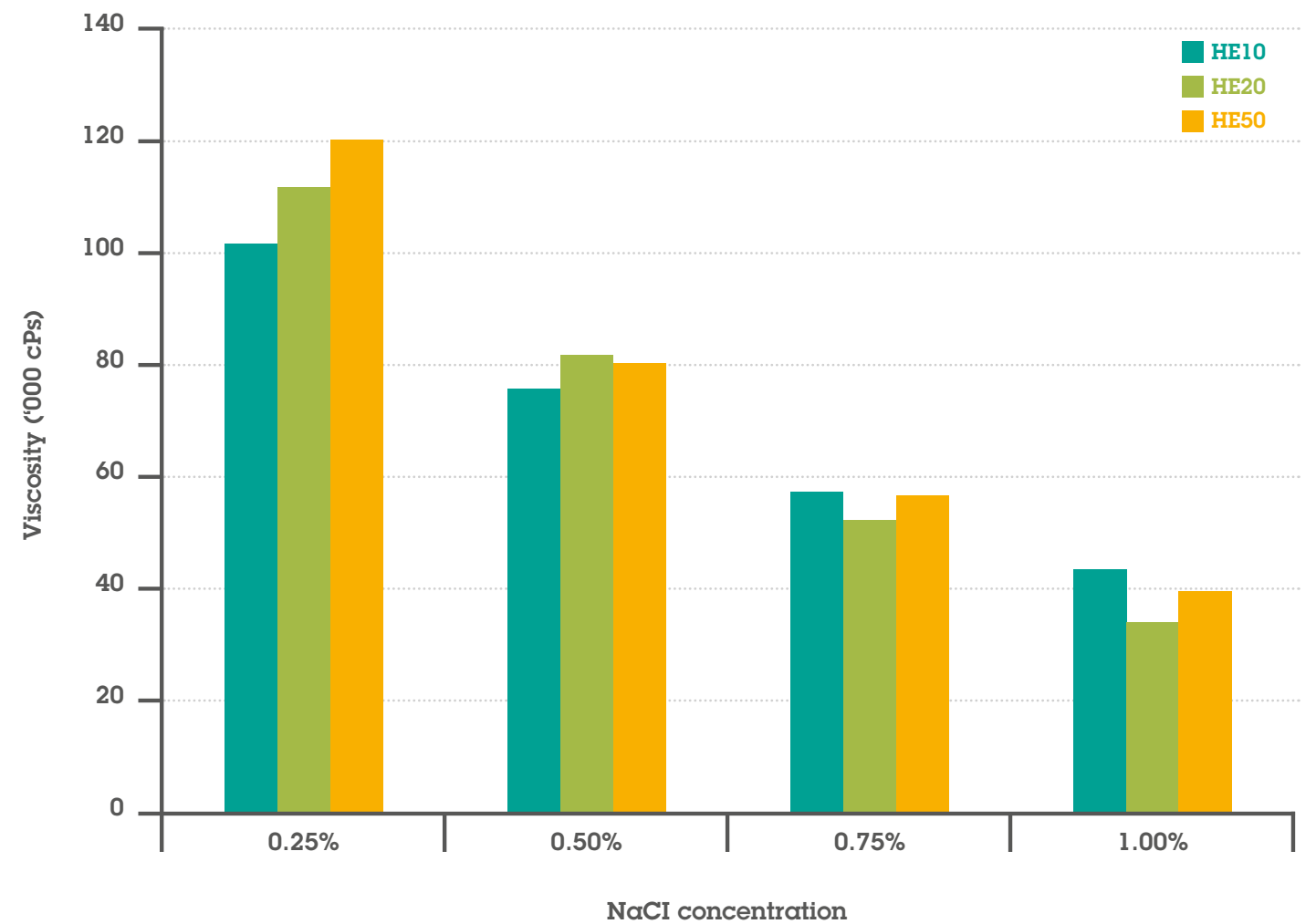
pH resistance

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.

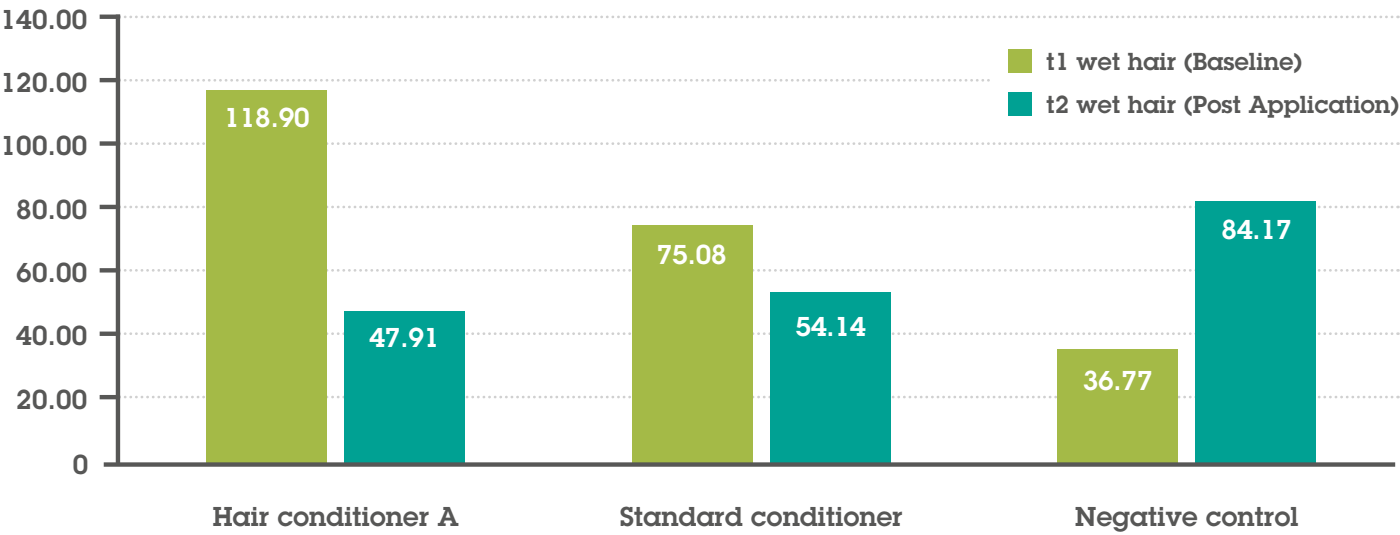
Conditioning benefit

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.

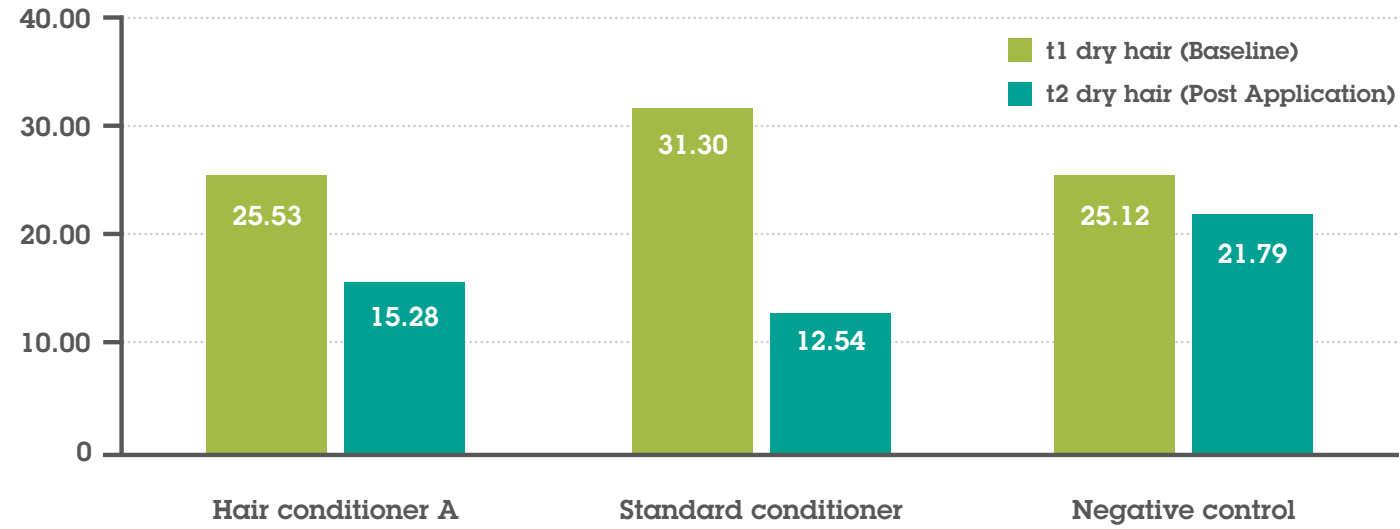
The standard conditioner formulation contains a commercially available, competitor equivalent material, at the same active level.

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

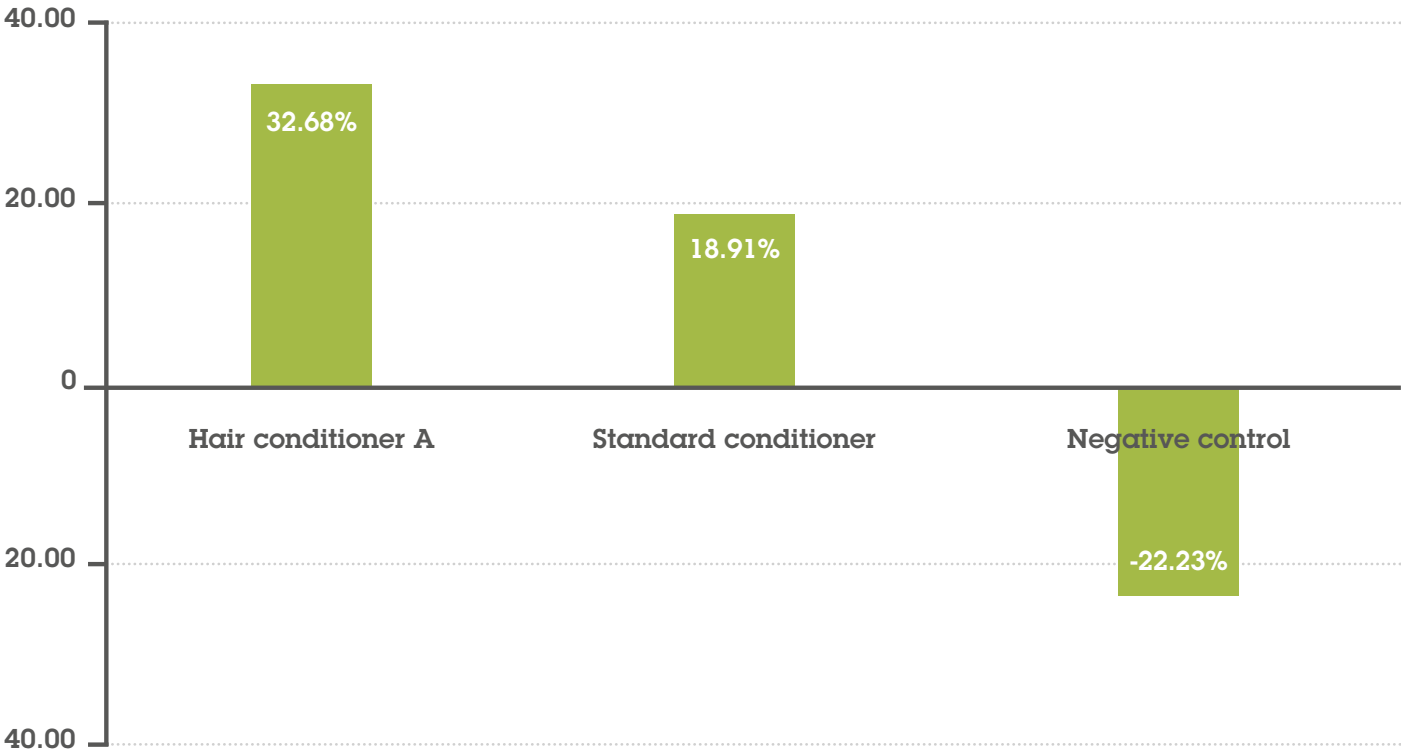


Hair shine

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 Glossymeter 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[®]
CS-P



Texique[®]
CS-32

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

scottbaderpersonalcare.com



INCI names:

Lux5

C13-15 alkane, Caprylic/Capric Triglyceride

HE10

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

HE20

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

HE50

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

CS-32

Aqua, Starch Hydroxypropyltrimonium Chloride,
Phenoxyethanol, Sodium Benzoate

CS-P

Starch Hydroxypropyltrimonium Chloride



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