



QT-Green



Natural multifunctional hair conditioning agent

INCI : Betaine, Polyglyceryl-4-caprate, Aqua, Glyceryl acetate, Arginine

Cationic conditioners deposit positively charged conditioning agents onto the negatively charged hair shaft providing increased **softness** and **manageability**. Commonly these are synthetic compounds, but the cosmetic market is in need of natural solutions.

Depending on the usage, the measurable performances of **QT-Green** range from an antistatic to a real conditioning agent, increasing the moisture of hair and scalp.

Advantages at a glance



Formulator benefits

- Cold processable
- Easy to incorporate (water soluble)
- Suitable for transparent formulations
- Avoids the unpleasant typical scent of conditioning agents
- Increases viscosity
- Improves foam stability & quality

Performances

- Reduces static charge on hair
- Gentle on scalp & hair
- Increases moisture, intensive care on wet hair
- No greasy after-feel on dry hair

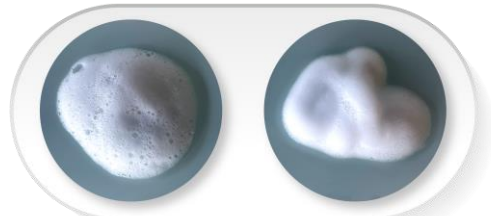
Regulatory assets

- Readily biodegradable
- China compliant
- ISO 16128 = 1
- COSMOS certified

Multifunctional: Enhance foam

The use of QT-Green in rinse-off formulations has no negative effect on foam, on the contrary it supports luxurious, more compact and longer lasting bubbles.

Foam quality & Stability

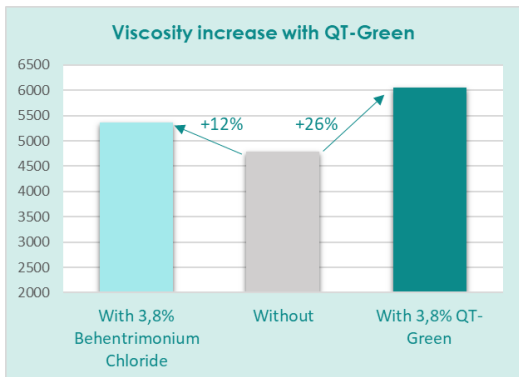


Without

With QT-Green

Multifunctional : Increasing viscosity

It was demonstrated that QT-Green increases the viscosity of your formulation similar to or even better than benchmark Behentrimonium and Cetrimeronium chloride, as well as improves the foam quality and stability.



Performance in haircare



QT-Green was tested against one of the most used cationic hair conditioner: Behentrimonium chloride.

QT-Green demonstrates similar performances on both dry and wet hair. QT-Green has a positive effect on the foam of the product which makes it easier to spread on wet hair formulated in hair mask.

QT-Green, water retention

Longer water absorption time on hair strands indicates a smoother and more hydrophobic outside shaft, synonym for healthier hair structure.

QT-Green provide significantly better organized cuticles.

Moisture retention



Without

With QT-Green

Formulation example

Make me shine shampoo (internal ref:SEJ-0017AFO)

Phase	Product / INCI Name	% (w/w)
A	Glucoside 600 / Lauryl glucoside ¹	21.5
	Sodium cocoyl glutamate	9.5
	QT-Green / Betaine, Polyglyceryl-4-caprate, Aqua, Glyceryl acetate, Arginine ¹	3.8
	Water / Aqua	60.2
	Glycolic acid ¹	4.0
	Elix-KON PEHG / Phenoxyethanol, Ethylhexylglycerin ¹	1.0
	Fragrance	N.A.

Use of the ingredient:

0.1-0.5 % as anti-static agent
2.0-5.0 % in shampoo
3.0-10.0 % in hair mask

Application

- Shampoo
- Rinse-off conditioner
- Hair mask
- Leave-on spray
- Hair serum



Suppliers:

¹ Connect Chemicals