



Actigum™ CS 11 QD (I)

The nature-derived biopolymer that brings sensoriality to your formulation



ISO 16128
100%
NATURAL ORIGIN



ECOCERT COSMOS
APPROVED



READILY
BIODEGRADABLE
ACCORDING TO
OECD 301 B



HALAL



KOSHER

Origin:

- INCI: Sclerotium Gum
- Biopolymer obtained through aerobic fermentation of sugars with strains of Non-GMO Sclerotium rolfsii.
- Sources in the fermentation broth are of vegetable origin.

Traceability & sustainability:

- Obtained through the biofermentation of sugar.
- Made in France: produced from biotechnology using GMO free, allergen-free process

Uniqueness:

- Viscosity builder
- Sensoriality
- Suspending agent
- Translucent
- Actigum™ CS 11 QD I (Irradiated version): TPC<100

Technical data:

- Powder form
- Non ionic
- Cold soluble
- Dose of use 0.1-1%
- pH range: 2-12

Compatibility:

NaCl %	0	12
	+	+

pH	2	7	12
	+	+	+

With most preservative systems

Applications:



0.1 - 0.3%



0.2 - 0.5%



0.4 - 0.6%

Stable formulation examples:

- Face serum
- Self tanning
- Sulphate free shampoo
- Translucent sulphate shampoo
- Sun care
- Make-up

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CONTACT

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When to use Actigum™ CS 11 QD (I)?

- In challenging formulations that require a nature-derived biopolymer that is electrolyte tolerant
- When the formula contains an high quantity of active ingredients
- In challenging formulations that require a broad PH
- To bring sensoriality and texture to the product
- When it is required to stabilize a low pH viscosity system (for instance serum, tonic, milk etc)

Formulation tips

	Silverson® L5M-A	Ultra Turrax® T25	Turbotest® VMI	IKA® EURO-ST 60 D S000
Recommended conditions	10,000rpm, 7min	12,000 rpm, 10min	3,000rpm, 20min	Not adapted
Aspect	Yellowish, translucent	Good	Good	X
Formulation tips	<ul style="list-style-type: none"> • Pre-dispersion into glycerine/ oil to avoid lumps/ agglomerates • Heating does not affect the viscosity • Shearing: 20mn max. 	<ul style="list-style-type: none"> • Rotor-stator/ vessel size: Final result impacted • No need to heat to develop viscosity 	<ul style="list-style-type: none"> • To adapt the quantity of formula to the beaker • No need to heat to develop viscosity 	X

- Viscosity remains the same whatever the production process: batch to batch or semi continuous system from stock solution.
- Batch size does not impact the viscosity during industrial scale-up.
- Viscosity results in formulations predict the result in scale-up.

Contact us at: beauty@cargill.com

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