

# Transparent Sea Salt Shampoo

HB-DE-22-NB-3110801-123

Formulated with the combination of our surfactants, creating a perfect synergy of mildness, foaming performance and effective cleansing. Use the minerals from the seawater to enhance the volume of your hair with this transparent sea salt shampoo.

## Main Claims

-  With marine ingredient
-  Clear transparent formulation
-  Good foaming performance
-  99.2% Natural ISO 16128
-  Good performance in dry combing

### Sulfopon® 1214 G

Well foaming natural surfactant for cold process

### Dehyquart® Guar TC

Conditioning polymer derived from guar flour, especially designed for transparent to clear rinse off formulations.

### Lamesoft® PO 65

A natural caring additive which boost the conditioning effect.



# Transparent Sea Salt Shampoo

Formulated according to COSMOS Standard for Natural Cosmetics

# BTC

Chemical Distribution

## HB-DE-22-NB-3110801-123

Phase	Ingredients	INCI	% by weight	Function
A	Water, demin.	Aqua	79.57	
	<b>Dehyquart® Guar TC</b>	Guar Hydroxypropyltrimonium Chloride	0.20	Conditioning agent
	Citric Acid (50% solution)	Citric Acid	0.03	Neutralizing agent
	Sodium Benzoate	Sodium Benzoate	0.50	Preservative
B	<b>Sulfopon® 1214 G</b>	Sodium Lauryl Sulfate	6.00	Surfactant
	Citric Acid (50% solution)	Citric Acid	0.05	Neutralizing agent
C	Plantacare® 1200 UP/MB	Lauryl Glucoside	2.00	Surfactant
	Plantapon® LGC SORB	Sodium Lauryl Glucose Carboxylate (and) Lauryl Glucoside	6.00	Surfactant
	Perfume*	Parfum	0.30	Fragrance
	<b>Lamesoft® PO 65</b>	Coco-Glucoside, Glyceryl Oleate	3.00	Conditioning agent
D	Sodium Chloride	Sodium Chloride	2.00	Rheology modifier
	Citric Acid (50% solution)	Citric Acid	0.05	pH Adjustment
	Seatrace ( <i>Lessonia</i> )	Maris Sal	0.30	Active ingredient

### Specifications

pH value (23°C)	4,5
Viscosity (Brookfield; RVF; spindle 4; 10 rpm; 23°C)	3.800 mPa s
Perfume	Düllberg: Aqua Mineral Natura

### Manufacturing Process

Prepare phase A and add the Guar TC while stirring. Add the citric acid and stir fast for approx. 15 minutes. Add phase B and stir until complete dissolved. Premix phase C and add to phase A+B. Add phase D and adjust the pH to 4.5-4.9

### Formulation Pearl



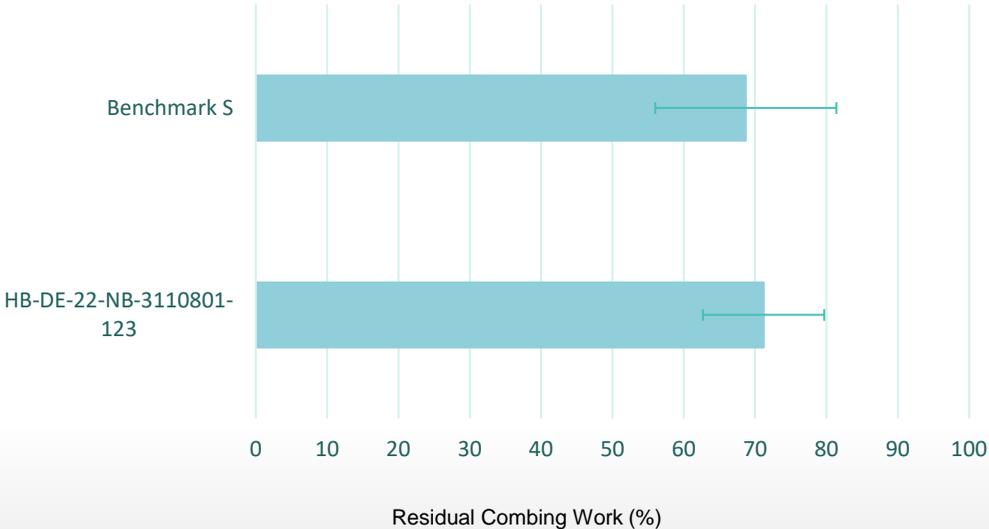
For increased viscosity switch to Sulfopon 1216 with a hot process. Please keep in mind to increase in the same moment amount of APG and use lower level of Sulfopon 1216 (mainly 2:1).

# Performance Evaluation

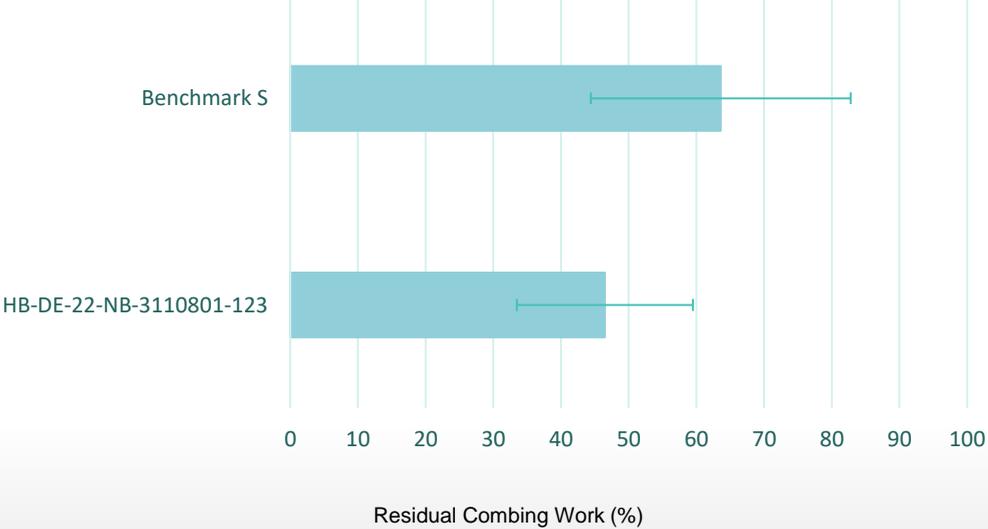
Transparent Sea Salt Shampoo

HB-DE-22-NB-3110801-123 Residual combing work test

### Wet combing



### Dry combing

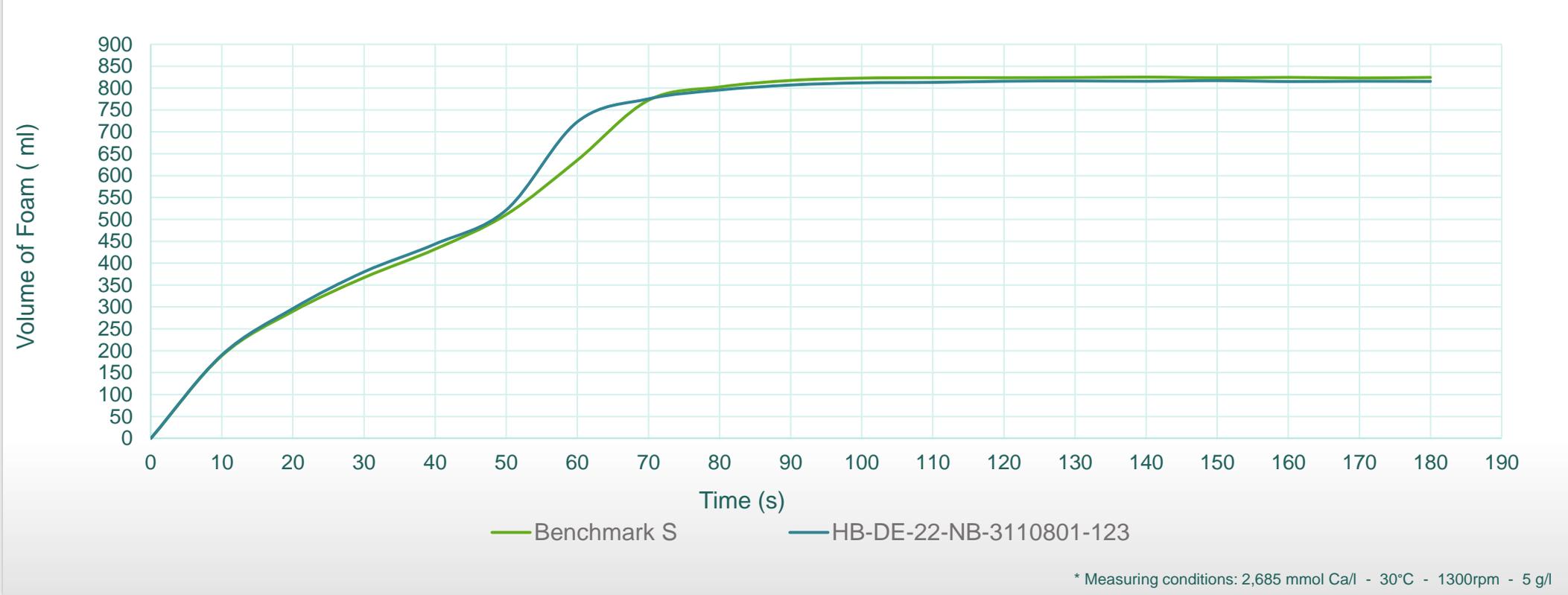


Transparent Sea Salt Shampoo improved the combability of the dry hair.

# Performance Evaluation

Transparent Sea Salt Shampoo

HB-DE-22-NB-3110801-123 Foam test



Transparent Sea Salt Shampoo has a good foam stability