

SEATRACE

A NATURAL CURL ENHANCER IN LEAVE-IN CONDITIONERS

LESSONIA
cosmetics + ingredients



SEATRACE

WHAT IS SEATRACE ?

Seatrace is a dry powder containing the most interesting mineral elements contained in seawater. Sodium chloride has been removed. This is an ideal balance of minerals which explains the cosmetic properties.

SALT MARSH OF GIRAUD IN CAMARGUE :

Seatrace is made from a by-product of salt production. In salt marshes of Giraud in Camargue, sea water is slowly concentrated by sun evaporation. Sodium chloride is the first to crystalize and is recovered by the salt workers to form cooking salt. After the salt is extracted, the residual water from the salt marsh is a solution with a high concentration of minerals (more than 50%) which is usually discharged into the sea. Lessonia recovers this residual water to spray-dry it and thus obtain the Seatrace, a powder containing the most interesting minerals and trace elements.

The original seawater contains more than 90 elements of the Mendeleiev classification, including the entire range of the trace elements. All these elements are necessary for the human body and our well-being.



TO RECONSTITUTE SEAWATER, YOU NEED :



- 1/3 SEATRACE
- 2/3 COOKING SALT
- ADD 3,5% OF THIS MIX IN WATER

AN ORIGINAL COMPOSITION

| | |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAGNESIUM | More than 12% of the composition. It is mainly in the form of Magnesium chloride and magnesium sulfate. Magnesium is very well known to promote cellular regeneration and collagen synthesis. Magnesium has anti-inflammatory effect on the skin. This concentrated magnesium explains the abilities of seawater to reduce skin redness. |
| SODIUM | From 10 to 12% in Seatrace, sodium is a component of the NMF (Natural Moisturizing Factor) necessary for cutaneous hydration. Sodium also regulates skin pH. |
| POTASSIUM | From 3 to 4% in Seatrace, this element plays an important role in the intercellular exchange and for this reason in hydration. |
| CALCIUM | Calcium is involved in cellular differentiation and collagen synthesis. |
| ZINC | Zinc is used in anti-acneic products because it regulates sebaceous gland and prevents production of enzyme inducing inflammation. |
| COPPER | In the skin, copper is involved in the synthesis and stabilization of extracellular matrix skin proteins (elastin, collagen...), aiming to improve the skin's elasticity and well ageing. |



A NATURAL CURL ENHANCER IN LEAVE-IN CONDITIONERS

90%
CURL
ENHANCER

YOUR HAIR IS CURLIER & BOUNCIER

Seatrace, is an ingredient used as a natural curl booster or curl activator for hair. It is typically designed in leave-in conditioners and curl enhancers and it is applied via a spray-on delivery method.

EVALUATION

PROTOCOL

10 volunteers have tested a hair spray containing a 2% aqueous solution of Seatrace and an aqueous solution as placebo. Both products were labelled indistinctly as product A and product B. The volunteers were asked to test product A on one part of their hair and product B on the other, on two occasions: once on dry hair and once on wet hair. The volunteers answered a questionnaire with the following questions:

- Does your hair have more volume ?
- Do you notice a fixing effect ?
- Is your hair more wavy ?

RESULTS

| | ON DRY HAIR | | ON WET HAIR | |
|-----------|-------------|---------|-------------|---------|
| | Seatrace 2% | Placebo | Seatrace 2% | Placebo |
| Volumizer | 80% | 10% | 70% | 20% |
| Fixing | 70% | 30% | 80% | 20% |
| Wavy | 90% | 50% | 90% | 60% |

This study suggests that Seatrace, solubilised at 2%, can make hair waves, add volume and have a fixing effect.

In the blind test, 90% of the volunteers rated the Seatrace solution as more effective than the placebo on curl formation.





TECHNICAL INFORMATION

REGULATION:

- **INCI:** Maris sal
- **Worldwide approval**
- **Origin:** 100% mineral from Seawater
- **Preservation:** Preservative free

TECHNICAL:

- **Appearance:** white powder
- **Solubility:** water soluble
- **Recommended dosage:** from 0.5 to 10%
- **100% natural** according to ISO 16128
- **Formulation aspect:** Can be incorporated into the water phase and heated to 80°C. For emulsions and gels, non-ionic emulsifiers and/or electrolyte-tolerant gelling agents are recommended.

APPLICATIONS

- **Hair curl enhancer in leave-in conditioners**
- **Skin hydration**

