

DEEP SEA WATER

(FOR COSMETIC USE)

DEFINITION

CHEMNEY's DEEP SEA WATER is pumped off the coast of Brittany, France, in the Atlantic Ocean. It is pumped from a depth of five meters below the surface on rocky bottoms in calm seas.

The sea water is first pumped into a decanter at the end of flood tide (rising tide) on an open site in deep water. It is pre-filtered to five microns then filtered to 0.2 microns by a sterilising filter, after which it goes through a UV steriliser. This product is free of parabens and phenoxyethanol, and formulated with very mild preservatives for the most sensitive skins.

SPECIFICATIONS

Appearance:	Clear liquid
Odour:	Slight to odourless
Density:	1.025 ± 0.010
pH:	6.0 – 8.0
Dry extract:	> 3.0 %
Preservation system:	0.6 % 1,2-Hexanediol 0.1 % Citric acid 1.3 % Butylene Glycol
Total germs:	< 100 cfu/g
Yeast and mould:	< 100 cfu/g
Pathogens:	Absence

COMPOSITION (TYPICAL ANALYSIS)

Water:	96.5 %		
Dissolved compounds:	3.5 %		
Chlorine	20 000 ppm	Bromine	67 ppm
Sodium	10 800 ppm	Boric acid	26 ppm
Sulphur	2 700 ppm	Strontium	7.9 ppm
Magnesium	1 300 ppm	Fluorine	1.3 ppm
Calcium	410 ppm	Lithium	0.18 ppm
Potassium	400 ppm	Iodine, Zinc, Copper	Traces
Bicarbonate	142 ppm		

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▶ PROPERTIES

DEEP SEA WATER, thanks to the mineral salts and marine trace elements it contains, has very good astringent and toning properties. It also provides many missing elements essential to healthy skin, and normalises the pH. In addition, it acts as buffer in formulations.

▶ APPLICATIONS

Bath, shower, and spa products (1 - 40 %).

Lotions, toners, sprays, gels for the face (1 - 25 %) and the body (5 - 40 %).

▶ IDENTIFICATION

INCI name (EU): Maris Aqua

INCI name (US): Sea Water

▶ STORAGE

Keep in the original tightly-closed container, at room temperature (20°C), protected from light, heat and moisture.

Shelf life: 3 years.