

CELTIC SEA SALT® ANALYSIS

Here is a partial analysis of the elements that comprise Celtic Sea Salt®. Celtic Sea Salt® is created by nature and, therefore, the element composition and proportions are naturally-occurring. Nothing is added and nothing is removed.

This analysis is conducted by a third-party laboratory that specializes in analyzing sea salts and ocean water. The analysis will not add up to 100% because of the presence of moisture and elements that occur in very small amounts in Celtic Sea Salt®.

Sample Name and Sample Date	Celtic Sea Salt® Light Grey Celtic® 5/18/06	Celtic Sea Salt® Flower of the Ocean® 5/18/06	Celtic Sea Salt® Fine Ground 5/18/06
Bromide	0.024100%	0.034900%	0.020500%
Calcium	0.190000%	0.090000%	0.250000%
Chloride	53.750000%	56.510000%	58.350000%
Copper	0.000004%	0.000004%	0.000004%
Flouride	0.000560%	0.000580%	0.000500%
Iron	0.003510%	0.000220%	0.005150%
Magnesium	0.460000%	0.530000%	0.360000%
pH (10% solution)	8.55	9.06	10.23
Phosphorus	0.000008%	0.000210%	0.000009%
Potassium	0.120000%	0.190000%	0.090000%
Sodium	32.890000%	33.740000%	35.260000%
Strontium	0.005700%	0.004000%	0.005600%
Sulfate	1.040000%	0.990000%	1.060000%
Zinc	0.000106%	0.000015%	0.000022%

Arsenic, Cadmium, Lead, Nickel and Mercury

Our laboratory also tests for these elements that are sometimes referred to as “heavy metals” and that are present in many things we come into contact with every day in our environment. The Codex Alimentarius Commission -- formed by the FAO (Food and Agriculture Organization) and the WHO (World Health Organization) -- has established the maximum safe levels acceptable in food grade salt for some of these elements. In our most recent analysis all these elements were either non detectable (Arsenic, Cadmium, Mercury) or were well under the published safe limits specified by Codex (Lead – present at levels no higher than .000076% while the Codex limit is .000200%). There are no limits specified for Nickel (present at levels no higher than .000004%).

Facts about Lead

Lead is present in trace amounts in virtually all sea salts because it is such a pervasive element in our world today. Lead is also present in things we come into contact with virtually every day. Environmental sources of lead include paint, water distribution systems, gasoline, certain types of tableware, ceramics, pottery, glassware and foods grown in contaminated soils (lead has been used in insecticides).