

ConcenTrace® Trace Mineral Drops

Complete, Soluble, Liquid Ionic Minerals

ConcenTrace® originates from the isolated waters of the north arm of the Great Salt Lake, Utah, USA. The Great Salt Lake itself covers some 6,000 square kilometres and represents a terminal collection of the rivers and streams. This drainage system covers an area of 90,000 square kilometres of the Rocky Mountains. The rocks and soils that comprise the drainage basin represent all the major lithologies - igneous, metamorphic and sedimentary - and cover the entire time span of the Geological Record - from Pre Cambrian to Recent. Consequently the waters of the Great Salt Lake contain within them - rather like the Sea itself - in a dissolved ionic form, all the elements present in the Periodic Table.

To obtain **ConcenTrace®** the brine of the Great Salt Lake is concentrated further in evaporation ponds to dramatically increase the concentration of dissolved elements. As a result of exposure to the natural elements of the sun, wind, rain and frost, 98% of the water originally placed into the ponds is evaporated and 99.5% of the Sodium Chloride is removed via natural precipitation as the water becomes a super saturated solution.

ConcenTrace®, then, is a highly saturated, ionic, brine solution. It is a homogenous "true solution" with all particles in their dissolved ionic state having radii between 27 (BE^{2+}) and 220 (I⁻) picometers. It contains 78, and possibly more, naturally occurring elements in a saline and charge balanced form.

The **ConcenTrace®** Analysis Summary sheets list the minerals present in order of concentration, their average concentration in ppm and the actual ranges found during analytical testing. It should be noted, however, that the mean of the ranges does not necessarily correlate with the actual average of all the test values. We have committed an extensive amount of resources to find and utilise the world's foremost analytical laboratories in order to determine and validate the composition of **ConcenTrace®**.

Analytical methods include: Ion Chromatography, Cold Vapour Atomic Absorption, Graphite Furnace Atomic Absorption, Atomic Absorption, Titration, Induced Coupled Plasma-Optical Emission Spectrometry, Induced Coupled Plasma-Mass Spectrometer, Flame Photometer, and Specific Ion Electrodes.

Seasonal variation contributes somewhat to the broadness of the ranges given, but more significant than this is the variation experienced between laboratories. The later variation is due to interferences caused by the complexity of the brine solution and also differences in methodology of the analytical protocol. Therefore, we are open to results of future analytical work and retain the right to change and refine this document without notice. The information presented has been reviewed and approved by a team of professors from Weber State University, Utah, USA.

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Contaminants

We test our ponds regularly for a broad spectrum of contaminants, including tests during every major harvest period. Contaminant tests include organic and petroleum chemicals, agricultural chemicals and pesticides, and heavy metals. Heavy metals testing also provides some data on additional trace elements.

ConcenTrace® offers in 30 drops the mineral content equivalent of 95ml of sea water with 99.5% of the sodium removed. This product was specifically designed to contain a minimal amount of sodium. Most Europeans have an unnaturally large intake of sodium, of which only 5% comes naturally in the foods we eat. It has been estimated that most people consume twice as much sodium as potassium, while an ideal diet should consist of 5 times more potassium than sodium.

Indications for use

This product is intended to be a comprehensive mineral and electrolyte supplement, that can be confidently used as a complement to all alternative/complementary therapies to provide a complete, full spectrum trace mineral support.

Mineral Nutrient

Electrolyte Replacement

Formulation

ConcenTrace® offers the versatility of an electrolyte replacement drink, while nourishing the body with a complete blend of essential minerals. The body is constantly working to stay in a state of balance. This product helps you take a step in that direction. **ConcenTrace®** also provides the appropriate physiological balance of trace minerals that your body needs.

Potassium, sodium and chloride are all considered electrolytes. They function in the maintenance and distribution of water within the body. In addition, they serve the role of controlling acid-base balance, heart contractility, kidney and adrenal function, and vital neuromuscular activity.

As a guide, a daily supplement per person would be one drop per 2.7 kilograms (6 pounds) of body weight per day. Ideally this would be best taken in three equal amounts during the day i.e. before breakfast, lunch and evening meal. However, twice a day would suffice and having a convenient, handy bottle of 28ml would allow 5 drops to be taken 5 to 6 times a day with an ever present glass of water. It would be appropriate to err on the side of caution for someone with M.E. type symptoms, as you can provide too much too soon; 1 or 2 drops two to three times a day would be appropriate to begin with: gradually increasing the number of drops as the person concerned feels is appropriate.

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Due to its 'salty' taste it is best taken either as a few drops (4 or 5) taken regularly during the day with a glass of water or in a larger amount with a fruit juice or herbal tea to taste.

1.85ml (30 drops) supplies the following:-

Magnesium	188 mg
Chloride	525 mg
Sulphate	60 mg
Potassium	Less than 7.5 mg
Sodium	Less than 7.5 mg

Plus the following in naturally occurring trace amounts - consult the analysis sheets for more quantitative information.

Lithium, Boron, Carbonate, Calcium, Bromide, Fluoride, Silicon, Nitrogen, Selenium, Phosphorus, Iodide, Chromium, Iron, Manganese, Titanium, Rubidium, Cobalt, Copper, Antimony, Arsenic, Molybdenum, Strontium, Zinc, Nickel, Tungsten, Germanium, Aluminium, Scandium, Tin, Lanthanum, Lead, Yttrium, Barium, Silver, Cadmium, Uranium, Gallium, Zirconium, Vanadium, Beryllium, Tellurium, Bismuth, Hafnium, Terbium, Europium, Gadolinium, Samarium, Cerium, Cesium, Gold, Mercury, Dysprosium, Holmium, Lutetium, Thulium, Erbium, Ytterbium, Neodymium, Niobium, Tantalum, Thorium, Thallium, Rhenium, Indium, Palladium, Platinum. Plus other minerals naturally found in sea water.