



PRODUCT DATA SHEET

Vitatrace Freshwater

Freshwater Trace Element and Vitamin Supplement

PRODUCT DESCRIPTION

Freshwater VitaTrace is designed to be a complete trace element and vitamin additive for fish and plants. Most freshwater aquariums do not receive additions of some of the minerals that are not commonly found in tapwater and of course reverse osmosis and dionized water will lack those elements entirely. All minerals and vitamins are in a bio-available form to insure that they can be used by fish and plants. This combination of elements was designed for the purpose of enhancing the immune systems of freshwater fish. As a result of regular usage of Freshwater VitaTrace hobbyists can expect vibrant coloration, faster growth and earlier maturation. Freshwater VitaTrace is especially helpful for cichlids and other fast growing fish. Contains iron to augment plant growth.

Novalek has over a decade of experience in developing vitamin supplements for the pet market via our Oasis product line. Drawing on the knowledge and skills developed for that line and in close consultation with fish biologists, public aquariums, aquaculture facilities and fish breeders led to the development of VitaTraceT. Small amounts of preservatives are used to insure that efficacy and freshness are maintained. Vitamins are tested in warm humid conditions to insure they remain viable over time.

A brief chart of the primary benefits from using VitaTraceT follows:	
Vitamin A	Promotes new cell growth, aids immune system, helps prevent retinal degeneration
Vitamin D3	Essential in the uptake and usage of calcium and magnesium
Vitamin E	Acts as intra and intercellular antioxidant, deficiency will result in poor growth, anemia and reduced survival rate
Vitamin C	Enhances immune system, vital for growth of fish
Vitamin B12	Encourages feeding response, deficiency can result in low hemoglobin
Vitamin B1	Also known as Thiamine, encourages feeding response and aids digestion
d-Pantothenic Acid	Essential for the development of the central nervous system; used to metabolize carbohydrates, lipids and proteins
K3	Promotes blood clotting
Folic Acid	Essential for blood cell formation, blood glucose regulation
Choline	Required for efficient nutrient usage and growth
Biotin	Aids digestion and conversion of fatty acids
In addition to these ingredients, all significant trace elements are included at optimal levels to replenish closed aquarium systems.	



Guaranteed Analysis per Fluid Ounce of Undiluted Trace Elements

A (Palmitate)	1171.875 µ/oz	Manganese Sulfate	1.953 mg/oz
D-3 (Cholecalciferol)	468.750 µ/oz	Sodium Borate	0.719 mg/oz
E (dl-alpha Tocopheryl)	19.531 µ/oz	EDTA	0.555 mg/oz
Vitamin C (Ascorbic Acid)	117.188 mg/oz	Sodium Molybdate	0.516 mg/oz
Vitamin B-12 (Cyanocobalamin)	0.004 mg/oz	Lithium Chloride	0.477 mg/oz
Vitamin B-1 (Thiamine)	0.006 mg/oz	Aluminum Sulfate	0.414 mg/oz
d-Pantothenic Acid	3.000 mg/oz	Ferric Chloride	0.406 mg/oz
K3 (Menadione)	2.734 mg/oz	Chelated Iron	0.238 mg/oz
Magnesium Chloride	708.734 mg/oz	Sodium Selenite	0.212 mg/oz
Calcium Chloride	177.184 mg/oz	Rubidium Chloride	.071 mg/oz
Magnesium Sulfate	70.873 mg/oz	Zinc Sulfate	0.060 mg/oz
Potassium Sorbate	36.820 mg/oz	Cobalt Sulfate	0.043 mg/oz
Sodium Benzoate	36.820 mg/oz	Potassium Iodide	0.043 mg/oz
Potassium Chloride	7.188 mg/oz	Potassium Bromide	0.043 mg/oz
Sodium Bicarbonate	5.000 mg/oz	Copper Sulfate	0.005 mg/oz
Folic Acid	2.734 mg/oz	Biotin (Vitamin H)	0.004 mg/oz
Choline Chloride	2.734 mg/oz		

STABILITY

Freshwater VitaTrace is stable indefinitely when stored in a cool, dark area away from heat and direct sunlight. Freshwater VitaTrace should be kept tightly closed when not in use.

COMPATIBILITIES

Freshwater VitaTrace is harmless to fish, plants and invertebrates. This product is safe for use in aquariums and will not interfere with normal biological filtration. Freshwater VitaTraceT is compatible with AmQuel®, AmQuel Plus®, NovAqua® and PolyAqua®. Freshwater VitaTraceT will not affect water quality.

CONTRAINDICATIONS

Freshwater VitaTrace is not intended to be a substitute for proper nutrition and proper water quality. To obtain the full benefits of using Freshwater VitaTrace make sure all other aquarium parameters are within normal ranges.

DIRECTIONS FOR USE

1. Shake well.
2. Add one teaspoon per 20 gallons of water.
3. Repeat weekly.

CAUTIONS

Freshwater VitaTrace is not intended for human consumption. In case of eye contact, flush immediately with water. If swallowed, drink large amounts of water and seek medical attention. Keep out of reach of children.