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Test results for IM EXT 100

Barcode: QCC-PLK-CUX

Analysis performed: 2023-02-09 22:49:28

Essential Macro Elements

Symbol	Element	Measured Conc.	Units	Condition	Normal Range	Change Since Last Test	Corrective Action
B	Boron	4.36	mg/L	optimal	4 - 5	Increased 0.337	
Br	Bromine	66.86	mg/L	optimal	50 - 79	Increased 0.23	
Ca	Calcium	437	mg/L	optimal	380 - 480	Decreased 6.6	
Cl	Chlorine	18070	mg/L	optimal	18000 - 19900	Decreased 300.0	
K	Potassium	356.8	mg/L	deficient	380 - 480	Decreased 19.4	macro element additives
Mg	Magnesium	1371	mg/L	optimal	1200 - 1500	Decreased 71.0	
Na	Sodium	8889	mg/L	deficient	9500 - 10800	Decreased 856.0	water change
S	Sulfur	1122	mg/L	elevated	850 - 960	Increased 144.2	
Sr	Strontium	10.24	mg/L	elevated	7 - 10	Decreased 1.01	

Beneficial Minor and Trace Elements

Symbol	Element	Measured Conc.	Units	Condition	Normal Range	Change Since Last Test	Corrective Action
Ba	Barium	0.033	mg/L	elevated	0.005 - 0.025	Decreased 0.009	
Co	Cobalt	(not detected)	mg/L	deficient	0.0005 - 0.003	Decreased 0.001	trace element additives
Cr	Chromium	0.002	mg/L	optimal	0 - 0.005	Increased 0.002	
Cu	Copper	0.005	mg/L	optimal	0.002 - 0.010	Increased 0.002	
Fe	Iron	0.001	mg/L	optimal	0.001 - 0.010	Unchanged	
I	Iodine	0.051	mg/L	optimal	0.050 - 0.090	Increased 0.011	
Li	Lithium	0.425	mg/L	elevated	0.100 - 0.200	Increased 0.141	
Mn	Manganese	(not detected)	mg/L	deficient	0.0001 - 0.002	Unchanged	trace element additives
Mo	Molybdenum	0.001	mg/L	deficient	0.010 - 0.015	Decreased 0.004	trace element additives
Ni	Nickel	(not detected)	mg/L	deficient	0.003 - 0.008	Decreased 0.001	trace element additives
P	Phosphorus	0.04	mg/L	optimal	0.02 - 0.06	Decreased 0.038	
Rb	Rubidium	0.169	mg/L	optimal	0.150 - 0.4	Increased 0.049	
Se	Selenium	0.017	mg/L	elevated	0.002 - 0.006	Decreased 0.009	
Si	Silicon	0.507	mg/L	elevated	0 - 0.2	Increased 0.441	
V	Vanadium	0.001	mg/L	deficient	0.002 - 0.008	Increased 0.001	trace element additives
Zn	Zinc	0.001	mg/L	deficient	0.002 - 0.006	Decreased 0.001	trace element additives

Contaminants and Toxins

Symbol	Element	Measured Conc.	Units	Condition	Normal Range	Change Since Last Test	Corrective Action
Al	Aluminum	0.018	mg/L	optimal	0 - 0.020	Decreased 0.058	
As	Arsenic	(not detected)	mg/L	optimal	0 - 0.003	Unchanged	
Be	Beryllium	(not detected)	mg/L	optimal	0 - 0.010	Unchanged	
Bi	Bismuth	(not detected)	mg/L	optimal	0 - 0.040	Unchanged	
Cd	Cadmium	(not detected)	mg/L	optimal	0 - 0	Unchanged	
Cs	Cesium	0.043	mg/L	elevated	0 - 0.025	Decreased 0.003	
Ga	Gallium	(not detected)	mg/L	optimal	0 - 0	Unchanged	
In	Indium	(not detected)	mg/L	optimal	0 - 0	Unchanged	
Pb	Lead	(not detected)	mg/L	optimal	0 - 0.005	Unchanged	
Tl	Thallium	(not detected)	mg/L	optimal	0 - 0.003	Unchanged	
U	Uranium	(not detected)	mg/L	optimal	0 - 0.008	Unchanged	