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Test results for IM EXT 100

Barcode: CHZ-WBC-SMP

Analysis performed: 2023-05-10 21:07:59

Essential Macro Elements

Symbol	Element	Measured Conc.	Units	Condition	Normal Range	Change Since Last Test	Corrective Action
B	Boron	4.97	mg/L	optimal	4 - 5	Increased 0.61	trace element additives
Br	Bromine	45.12	mg/L	deficient	50 - 79	Decreased 21.74	
Ca	Calcium	411.8	mg/L	optimal	380 - 480	Decreased 25.2	
Cl	Chlorine	18230	mg/L	optimal	18000 - 19900	Increased 160.0	
K	Potassium	392.5	mg/L	optimal	380 - 480	Increased 35.7	
Mg	Magnesium	1338	mg/L	optimal	1200 - 1500	Decreased 33.0	
Na	Sodium	9875	mg/L	optimal	9500 - 10800	Increased 986.0	
S	Sulfur	953	mg/L	optimal	850 - 960	Decreased 169.0	
Sr	Strontium	12	mg/L	elevated	7 - 10	Increased 1.76	

Beneficial Minor and Trace Elements

Symbol	Element	Measured Conc.	Units	Condition	Normal Range	Change Since Last Test	Corrective Action
Ba	Barium	0.046	mg/L	elevated	0.005 - 0.025	Increased 0.013	trace element additive
Co	Cobalt	0.001	mg/L	optimal	0.0005 - 0.003	Increased 0.001	
Cr	Chromium	(not detected)	mg/L	optimal	0 - 0.005	Decreased 0.002	
Cu	Copper	0.004	mg/L	optimal	0.002 - 0.010	Decreased 0.001	
Fe	Iron	0.002	mg/L	optimal	0.001 - 0.010	Increased 0.001	
I	Iodine	0.043	mg/L	deficient	0.050 - 0.090	Decreased 0.008	
Li	Lithium	0.491	mg/L	elevated	0.100 - 0.200	Increased 0.066	
Mn	Manganese	(not detected)	mg/L	deficient	0.0001 - 0.002	Unchanged	
Mo	Molybdenum	0.007	mg/L	deficient	0.010 - 0.015	Increased 0.006	trace element additives
Ni	Nickel	(not detected)	mg/L	deficient	0.003 - 0.008	Unchanged	trace element additives
P	Phosphorus	0.178	mg/L	elevated	0.02 - 0.06	Increased 0.138	trace element additives
Rb	Rubidium	0.226	mg/L	optimal	0.150 - 0.4	Increased 0.057	
Se	Selenium	(not detected)	mg/L	deficient	0.002 - 0.006	Decreased 0.017	
Si	Silicon	0.136	mg/L	optimal	0 - 0.2	Decreased 0.371	
V	Vanadium	0.001	mg/L	deficient	0.002 - 0.008	Unchanged	
Zn	Zinc	0.001	mg/L	deficient	0.002 - 0.006	Unchanged	

Contaminants and Toxins

Symbol	Element	Measured Conc.	Units	Condition	Normal Range	Change Since Last Test	Corrective Action
Ag	Silver	(not detected)	mg/L	optimal	0 - 0.005		
Al	Aluminum	0.022	mg/L	elevated	0 - 0.020	Increased 0.004	
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	(not detected)	mg/L	optimal	0 - 0.025	Decreased 0.043	
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	
Sb	Antimony	(not detected)	mg/L	optimal	0 - 0.007		
Ti	Titanium	(not detected)	mg/L	optimal	0 - 0.005		
Tl	Thallium	(not detected)	mg/L	optimal	0 - 0.003	Unchanged	
U	Uranium	(not detected)	mg/L	optimal	0 - 0.008	Unchanged	