

## Serving Chart for CELL CHARGE Liquid Fulvic Trace Minerals

This serving chart is based on an averaged quantification taken from several independent laboratory analyses conducted over the past 5 years. All minerals, trace minerals, trace elements, amino acids, fulvic acid, humic acid and vitamins listed occur naturally in our source material -

**Serving Size** = 0.5 milliliters form a standard medical dropper.

**ppm** = parts per million - this is same as milligrams per liter

**mg/S** = milligrams per serving.

**mcg/S** = micrograms per serving.

**%** = percentage the analyte in of one liter of liquid fulvic minerals. **ND** = Not Detected

<b>ANALYTE</b>	<b>ppm</b>	<b>%</b>	<b>mg/S</b>	<b>mcg/S</b>
Aluminum	2534	0.2534	1.30	1,300
Antimony	5.4	0.00054	0.00270	2.7
Arsenic	1.4	0.00014	0.00070	0.7
Barium	0.323	0.000032	0.00016	0.16
Beryllium	10.33	0.001033	0.00517	5.17
Bismuth	1.456	0.000145	0.728	728
Boron	3.05	0.000305	0.00153	1.53
Bromine	2.07	0.000207	0.00103	1.03
Cadmium	0.523	0.000052	0.00026	0.26
Calcium	531	0.0531	0.2605	260.5
Carbon	10,430	1.043	5.125	5,212
Cerium	9.50	0.00095	0.00475	4.75
Cesium	0.047	0.000004	0.00023	0.235
Chloride	91.1	0.00911	0.04555	45.55
Chromium	4.73	0.00047	0.00237	2.37
Cobalt	12.49	0.00124	0.00625	6.24
Copper	1.17	0.00017	0.000585	0.585
Dysprosium	38.52	0.00385	0.01926	19.26
Erbium	18.95	0.00189	0.00957	9.475
Europium	33.54	0.00335	0.01677	16.77
Fluoride	6.02	0.00060	0.00301	3.01
Gadolinium	7.8	0.00078	0.0039	3.9
Gallium	1.3	0.00013	0.00065	0.65
Germanium	2.4	0.00024	0.0012	1.2
Gold	4.05	0.00040	0.0020	2.025

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Hafnium	0.062	0.00006	0.000006	0.006
Holmium	9.5	0.00095	0.00475	4.75
Indium	0.053	0.00005	0.000026	0.026
Iodine	0.96	0.00009	0.00048	0.48
Iridium	0.004	0.0000004	0.000002	0.002

<b>ANALYTE</b>	<b>ppm</b>	<b>%</b>	<b>mg/S</b>	<b>mcg/S</b>
Iron	11,500	1.15	5.75	5,750
Lanthanum	17.5	0.00175	0.00875	8.75
Lead	0.010	0.000001	0.000005	0.005
Lithium	10.6	0.00106	0.0053	5.3
Lutetium	0.391	0.000039	0.00019	0.195
Magnesium	2164	0.2164	1.082	1,082
Manganese	115	0.0115	0.0575	57.5
Mercury	ND	ND	ND	ND
Molybdenum	1.21	0.00012	0.0006	0.61
Neodymium	9.6	0.00096	0.0048	4.8
Nickel	19.0	0.0019	0.0095	9.5
Niobium	6.92	0.00069	0.00346	3.46
Osmium	0.004	0.0000004	0.000002	0.002
Palladium	1.671	0.000167	0.0008350	0.835
Phosphorus	140	0.0140	0.07	70
Platinum	ND	ND	ND	ND
Potassium	64.0	0.0064	0.032	32
Praseodymium	15.0	0.0015	0.0075	7.5
Rhenium	0.007	0.0000007	0.0000035	0.0035
Rhodium	ND	ND	ND	ND
Rubidium	1.47	0.000147	0.000735	0.735
Ruthenium	0.045	0.0000045	0.000023	0.023
Samarium	53.2	0.0053	0.00266	26.6
Scandium	0.929	0.000092	0.000464	0.464
Selenium	13.4	0.00134	0.0067	6.7
Silver	0.044	0.0000044	0.000022	0.022
Silicon	132	0.0132	0.066	66
Sodium	1700	0.17	0.85	850
Strontium	7.81	0.000781	0.0039	3.90

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Sulfur	32,500	3.25	16.25	16,250
Tantalum	0.081	0.000008	0.00004	0.04
Tellurium	4.19	0.000419	0.00209	2.09
Terbium	9.6	0.00096	0.0048	4.8
Thallium	0.65	0.000065	0.000325	0.325
Thorium	5.3	0.00053	0.00265	2.65
Thulium	4.12	0.000412	0.00206	2.06
Tin	0.131	0.000132	0.000065	0.065
Titanium	1.94	0.000194	0.00097	0.97
Tungsten	1.05	0.000105	0.000525	0.525

<b>ANALYTE</b>	<b>ppm</b>	<b>%</b>	<b>mg/S</b>	<b>mcg/S</b>
Uranium	0.88	0.000088	0.00044	0.44
Vanadium	10.1	0.00101	0.00505	5.05
Ytterbium	9.6	0.00096	0.0048	4.8
Yttrium	13.4	0.00134	0.0067	6.7
Zinc	75.25	0.007525	0.0376	37.63
Zirconium	1.71	0.000171	0.000855	0.855
Oxygen	826,900	82.69%	413.45	413,450
Hydrogen	104,200	10.42%	52.1	52,100
Nitrogen	2,270	0.227	1.135	1,135

<b>Organic Acids</b>	<b>ppm</b>	<b>%</b>	<b>mg/S</b>	<b>mcg/S</b>
Fulvic Acid	150,000	15	75	75,000
Humic Acid	4,500	0.45	2.25	2,250
Acetic	200	0.02	0.1	100
Fumaric	1600	0.16	0.8	800
Lactic	100	0.01	0.05	50
Malic	200	0.02	0.1	100
Succinic	200	0.02	0.1	100
Benzoic	800	0.08	0.4	400
Phenylacetic	200	0.02	0.1	100
Shikimic	1600	0.16	0.8	800

Phthalic	1200	0.12	0.6	600
Ferulic	900	0.09	0.45	450
Caffeic	2700	0.27	1.35	1,350
Protocatechuic	300	0.03	0.15	150
Gallic	7500	0.75	3.75	3,750
Cinnamic (all isomers)	1400	0.14	0.7	700

## Amino Acids

Alanine	408	0.0408	0.204	204
Arginine	4,029	0.4029	2.0145	2,014.5
Aspartic Acid	2,107	0.2107	1.053	1,053.5
Cystine	157	0.0157	0.0785	78.5
Glutamic Acid	1,401	0.1401	0.7005	700.5
Glycine	2,028	0.2028	1.014	1,014
Histidine	134	0.0134	0.067	67
Isoleucine	475	0.0475	0.2375	237.5
Leucine	1,142	0.1142	0.5725	572.5
Lysine	825	0.0825	0.4125	412.5
Methionine	290	0.0290	0.145	145
Phenylalanine	270	0.0270	0.135	135
Proline	544	0.0544	0.272	272
Serine	601	0.0601	0.3005	300.5
Theronine	653	0.0653	0.3265	326.5
Tryptophan	1,022	0.1022	0.511	511
Tyrosine	258	0.0258	0.129	129
Valine	409	0.0409	0.2045	204.5

Vitamins	ppm	%	mg/S	mcg/S
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Riboflavin	2.00	0.0002	0.001	1
Niacin	1,129	0.1129	0.5645	564.5
Pyridoxine	214	0.0214	0.107	107
Biotin	7.768	0.00077	0.00384	3.884
Vitamin C	709	0.0709	0.3545	354.5

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The chart calculations for daily quantity intake of a particular analyte were arrived at by dividing each analyte (ingredient) by 2,000 -- since 0.5 ml (a daily recommended serving) = 1/2000<sup>th</sup> of a liter.

We then multiplied the daily serving listed in milligrams by 1,000 to arrive at the number of micrograms per daily serving.

Milligrams per liter equates to parts per million - A milligram is one millionth of the whole -  
Micrograms per liter equates to parts per billion - A microgram is one billionth of the whole -  
The whole in this case is a liter of our liquid fulvic minerals.

**Independent laboratories that have analyzed our fulvic minerals include:**

1. Advanced Laboratories
2. Elemental Analysis
3. Atlas Bioscience labs
4. Motzz Laboratories
5. Karr Laboratories
6. Montana Laboratories
7. KLM -Laboratories
8. Covance Laboratories
9. KAPPA Laboratories
10. Maxim Laboratories
11. Utility Testing Laboratories