

RealSalt® Analysis

Rank	Element	PPM	%	Rank	Element	PPM	%		
1	Chloride	Cl	591,000.00	59.1%	38	Dysprosium	Dy	0.34	0.000034%
2	Sodium	Na	376,000.00	37.6%	39	Niobium	Nb	0.294	0.000029%
3	Calcium	Ca	4,180.00	0.418%	40	Scandium	Sc	0.24	0.000024%
4	Potassium	K	1,980.00	0.198%	41	Terbium	Tb	0.24	0.000024%
5	Rubidium	Rb	1,200.00	0.1200%	42	Cobalt	Co	0.206	0.000021%
6	Sulfur	S	1,060.00	0.1060%	43	Europium	Eu	< 0.2	< 0.00002%
7	Magnesium	Mg	937	0.0937%	44	Hafnium	Hf	< 0.2	< 0.00002%
8	Iron	Fe	472	0.0472%	45	Neodymium	Nd	< 0.2	< 0.00002%
9	Silicon	Si	138	0.0138%	46	Tellurium	Te	< 0.2	< 0.00002%
10	Aluminum	Al	67.9	0.0068%	47	Cadmium	Cd	0.188	0.000019%
11	Carbon	C	60.2	0.0060%	48	Selenium	Se	0.166	0.000017%
12	Silver	Ag	29.8	0.0030%	49	Praseodymium	Pr	0.14	0.000014%
13	Copper	Cu	27.8	0.0028%	50	Tantalum	Ta	0.14	0.000014%
14	Bromine	Br	21.7	0.0022%	51	Arsenic	As	< 0.1	< 0.00001%
15	Fluoride	F	12.6	0.0013%	52	Lanthanum	La	< 0.1	< 0.00001%
16	Iodine	I	8.76	0.0009%	53	Osmium	Os	< 0.1	< 0.00001%
17	Zinc	Zn	8.39	0.0008%	54	Tin	Sn	< 0.1	< 0.00001%
18	Manganese	Mn	7.84	0.0008%	55	Tungsten	W	< 0.1	< 0.00001%
19	Cesium	Cs	7.21	0.0007%	56	Ruthenium	Ru	0.087	0.000009%
20	Lithium	Li	6.48	0.0006%	57	Vanadium	V	0.085	0.000009%
21	Gallium	Ga	6.22	0.0006%	58	Lead	Pb	< 0.08	< 0.000008%
22	Erbium	Er	5.91	0.0006%	59	Rhenium	Re	< 0.08	< 0.000008%
23	Phosphorus	P	4.88	0.00049%	60	Chromium	Cr	0.075	0.000008%
24	Titanium	Ti	4.8	0.00048%	61	Nickel	Ni	< 0.07	< 0.000007%
25	Antimony	Sb	4.19	0.00042%	62	Iridium	Ir	< 0.05	< 0.000005%
26	Cerium	Ce	3.98	0.00040%	63	Molybdenum	Mo	0.05	0.000005%
27	Zirconium	Zr	3.89	0.000389%	64	Thorium	Th	< 0.05	< 0.000005%
28	Barium	Ba	2.91	0.000291%	65	Thulium	Tm	0.039	0.000004%
29	Boron	B	2.05	0.000205%	66	Lutetium	Lu	0.035	0.000004%
30	Gadolinium	Gd	1.99	0.000199%	67	Ytterbium	Yb	0.033	0.000003%
31	Samarium	Sm	1.98	0.000198%	68	Beryllium	Be	< 0.03	< 0.000003%
32	Strontium	Sr	1.93	0.000193%	69	Palladium	Pa	< 0.02	< 0.000002%
33	Thallium	Tl	1.33	0.000133%	70	Yttrium	Y	< 0.02	< 0.000002%
34	Germanium	Ge	0.94	0.000094%	71	Platinum	Pl	< 0.01	< 0.000001%
35	Indium	In	< 0.6	< 0.00006%	72	Rhodium	Rh	< 0.01	< 0.000001%
36	Holmium	Ho	< 0.5	< 0.00005%	73	Gold	Au	0.006	0.000001%
37	Bismuth	Bi	0.38	0.000038%	74	Mercury	Hg	< 0.005	< 0.0000005%

PPM = liquid equivalent of ppm

< = no quantities of this analyte detected above the stated limit. (The “stated limit” is the limit of detection for Western Analysis’ instrument. Any element designated by the “<” mark is within the scope of detection for their instrument, but was not found because it was below the detection sensitivity of the instrument).

Source: Western Analysis, Inc., 2417 South 2700 West, Salt Lake City, Utah, U.S.A. Tel.: (801) 973-9238

Procedure: The RealSalt was diluted as necessary in glass Class A volumetric flasks. The elements Chloride, Fluoride, and Bromine were analyzed via Ion Chromatography (I.C.). Cold Vapor Atomic Absorption (CVAA) was used for analysis of Mercury. Graphite Furnace Atomic Absorption (GFAA) was the method used to determine Arsenic, Selenium, Lead, and Antimony. Semi-quantitative analysis for all other elements was carried out using Inductively Coupled Plasma - Optical Emission Spectrometry (ICP-OES).