

### Himalayan Salt Spectral Analysis

| Element    | Ion | Atomic # | Concentration | Method/Source  |
|------------|-----|----------|---------------|----------------|
| Hydrogen   | H   | 1        | 0.30 g/kg     | DIN            |
| Lithium    | Li  | 3        | 0.40 g/kg     | AAS            |
| Beryllium  | Be  | 4        | <0.01 ppm     | AAS            |
| Boron      | B   | 5        | <0.001 ppm    | FSK            |
| Carbon     | C   | 6        | <0.001 ppm    | FSK            |
| Nitrogen   | N   | 7        | 0.024 ppm     | ICG            |
| Oxygen     | O   | 8        | 1.20 g/kg     | DIN            |
| Fluoride   | F   | 9        | <0.1 g        | Potentiometric |
| Sodium     | Na  | 11       | 382.61 g/kg   | FSM            |
| Magnesium  | Mg  | 12       | 0.16 g/kg     | AAS            |
| Aluminum   | Al  | 13       | 0.661 ppm     | AAS            |
| Silicon    | Si  | 14       | <0.1 g        | AAS            |
| Phosphorus | P   | 15       | <0.10 ppm     | ICG            |
| Sulfur     | S   | 16       | 12.4 g/kg     | TXRF           |
| Chloride   | Cl  | 17       | 590.93 g/kg   | Gravimetric    |
| Potassium  | K   | 19       | 3.5 g/kg      | FSM            |
| Calcium    | Ca  | 20       | 4.05 g/kg     | Titration      |
| Scandium   | Sc  | 21       | <0.0001 ppm   | FSK            |
| Titanium   | Ti  | 22       | <0.001 ppm    | FSK            |
| Vanadium   | V   | 23       | 0.06 ppm      | AAS            |
| Chromium   | Cr  | 24       | 0.05 ppm      | AAS            |
| Manganese  | Mn  | 25       | 0.27 ppm      | AAS            |
| Iron       | Fe  | 26       | 38.9 ppm      | AAS            |
| Cobalt     | Co  | 27       | 0.60 ppm      | AAS            |

|            |    |    |                             |                |
|------------|----|----|-----------------------------|----------------|
| Nickel     | Ni | 28 | 0.13 ppm                    | AAS            |
| Copper     | Cu | 29 | 0.56 ppm                    | AAS            |
| Zinc       | Zn | 30 | 2.38 ppm                    | AAS            |
| Gallium    | Ga | 31 | <0.001 ppm                  | FSK            |
| Germanium  | Ge | 32 | <0.001 ppm                  | FSK            |
| Arsenic    | As | 33 | <0.01 ppm                   | AAS            |
| Selenium   | Se | 34 | 0.05 ppm                    | AAS            |
| Bromine    | Br | 35 | 2.1 ppm                     | TXRF           |
| Rubidium   | Rb | 37 | 0.04 ppm                    | AAS            |
| Strontium  | Sr | 38 | 0.014 g/kg                  | AAS            |
| Ytterbium  | Y  | 39 | <0.001 ppm                  | FSK            |
| Zirconium  | Zr | 40 | <0.001 ppm                  | FSK            |
| Niobium    | Nb | 41 | <0.001 ppm                  | FSK            |
| Molybdenum | Mo | 42 | 0.01 ppm                    | AAS            |
| Technetium | Tc | 43 | Unstable artificial isotope | N/A            |
| Ruthenium  | Ru | 44 | <0.001 ppm                  | FSK            |
| Rhodium    | Rh | 45 | <0.001 ppm                  | FSK            |
| Palladium  | Pd | 46 | <0.001 ppm                  | FSK            |
| Silver     | Ag | 47 | 0.031 ppm                   | AAS            |
| Cadmium    | Cd | 48 | <0.01 ppm                   | AAS            |
| Indium     | In | 49 | <0.001 ppm                  | FSK            |
| Tin        | Sn | 50 | <0.01 ppm                   | AAS            |
| Antimony   | Sb | 51 | <0.01 ppm                   | AAS            |
| Tellurium  | Te | 52 | <0.001 ppm                  | FSK            |
| Iodine     | I  | 53 | <0.1 g                      | Potentiometric |
| Cesium     | Cs | 55 | <0.001 ppm                  | FSK            |
| Barium     | Ba | 56 | 1.96 ppm                    | AAS/TXR        |
| Lanthanum  | La | 57 | <0.001 ppm                  | FSK            |
| Cerium     | Ce | 58 | <0.001 ppm                  | FSK            |

|              |    |    |                             |      |
|--------------|----|----|-----------------------------|------|
| Praseodymium | Pr | 59 | <0.001 ppm                  | FSK  |
| Neodymium    | Nd | 60 | <0.001 ppm                  | FSK  |
| Promethium   | Pm | 61 | Unstable artificial isotope | N/A  |
| Samarium     | Sm | 62 | <0.001 ppm                  | FSK  |
| Europium     | Eu | 63 | <3.0 ppm                    | TXRF |
| Gadolinium   | Gd | 64 | <0.001 ppm                  | FSK  |
| Terbium      | Tb | 65 | <0.001 ppm                  | FSK  |
| Dysprosium   | Dy | 66 | <4.0 ppm                    | TXRF |
| Holmium      | Ho | 67 | <0.001 ppm                  | FSK  |
| Erbium       | Er | 68 | <0.001 ppm                  | FSK  |
| Thulium      | Tm | 69 | <0.001 ppm                  | FSK  |
| Ytterbium    | Yb | 70 | <0.001 ppm                  | FSK  |
| Lutetium     | Lu | 71 | <0.001 ppm                  | FSK  |
| Hafnium      | Hf | 72 | <0.001 ppm                  | FSK  |
| Tantalum     | Ta | 73 | 1.1 ppm                     | TXRF |
| Wolfram      | W  | 74 | <0.001 ppm                  | FSK  |
| Rhenium      | Re | 75 | <2.5 ppm                    | TXRF |
| Osmium       | Os | 76 | <0.001 ppm                  | FSK  |
| Iridium      | Ir | 77 | <2.0 ppm                    | TXRF |
| Platinum     | Pt | 78 | 0.47 ppm                    | TXRF |
| Gold         | Au | 79 | <1.0 ppm                    | TXRF |
| Mercury      | Hg | 80 | <0.03 ppm                   | AAS  |
| Thallium     | Tl | 81 | 0.06 ppm                    | AAS  |
| Lead         | Pb | 82 | 0.10 ppm                    | AAS  |
| Bismuth      | Bi | 83 | <0.10 ppm                   | AAS  |
| Polonium     | Po | 84 | <0.001 ppm                  | FSK  |
| Astatine     | At | 85 | <0.001 ppm                  | FSK  |
| Francium     | Fr | 87 | <1.0 ppm                    | TXRF |
| Radium       | Ra | 88 | <0.001 ppm                  | FSK  |

|              |    |    |            |     |
|--------------|----|----|------------|-----|
| Actinium     | Ac | 89 | <0.001 ppm | FSK |
| Thorium      | Th | 90 | <0.001 ppm | FSK |
| Protactinium | Pa | 91 | <0.001 ppm | FSK |
| Uranium      | U  | 92 | <0.001 ppm | FSK |
| Neptunium    | Np | 93 | <0.001 ppm | FSK |
| Plutonium    | Pu | 94 | <0.001 ppm | FSK |

<https://themeadow.com/pages/minerals-in-himalayan-pink-salt-spectral-analysis>