

Certificate of the Analysis of Himalayan Crystal Mineral Rock Salt
From the book, *Water & Salt, The Essence of Life*
by Dr. Barbara Hendel MD and Peter Ferreira

Element	Order Number		Results	Analysis Type
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
Flouride	F-	9	<0.1 g/kg	Potentiometer
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/kg	AAS
Phosphorus	P	15	<0.10 ppm	ICG
Sulfur	S	16	12.4 g/kg	TXRF
Chloride	Cl-	17	590.93 g/kg	Gravimetrie
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

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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 - not included	

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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/kg	potentiometrie
Cesium	Cs	55	<0.001 ppm	FSK
Barium	Ba	56	1.96 ppm	AAS/TXR
Lanthan	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 - not included	
Samarium	Sm	62	<0.001 ppm	FSK
Europium	Eu	63	<3.0 ppm	TXRF
Gadolinium	Gd	64	<0.001 ppm	FSK

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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

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Astat	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

Additional Combined Elements

Water	H ₂ O	1.5 g/kg	DIN
Ammonium	NH ₄ ⁺	0.010 ppm	Photometrie
Nitrate	NO ₃ ⁻	0.09 ppm	Photometrie
Phosphate	PO ₄ ³⁻	<0.10 ppm	ICG
Hydrogencarbonate	HCO ₃ ⁻	<1.0 g/kg	Titration

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The inert gasses Helium-He-2, Neon-Ne-10, Argon-Ar-18, Krypton-Kr-36, Xenon-Xe-54, and Radon-Rn-86 could not be included in the research. Many of the elements could not be proven with conventional chemical analysis. Through the transfer of frequency patterns by means of wave transference, it was possible to prove the frequency pattern with the aid of frequency spectroscopy. With this, the detection of elements even smaller than <0.001 ppm was proven.

The research analysis confirmed the holistic properties of the original Himalayan crystal salt. The sodium chloride content is 97.41% and meets the worldwide necessary standards for table salt.

- g/kg – Grams per kilogram
- DIN – German Standards Institute
- ICG – Ionchromatography
- AAS – Atom absorption spectrometry
- TXRF – Total reflection - X-Ray - Florescence-Spectrometry
- ppm – Parts per million
- FSM – Flamespectrometry
- FSK – Frequency Spectroscopy