

Table 2. Number of mineral species and mean, minimum, maximum values of bulk (in wt %) and trace-element (in ppm) compositions of Hatrurim larnite CM rocks.

Component/ Element	N	Oxide Mean	S	Min	Max	Mean., ppm	[A], Atomic ppm	lgA	S	lgS
Bulk composition (in wt %)										
O**	-	-	-	-	-	409663	25604	4.41	59	1.77
SiO ₂	29	23.97	1.66	19.8	27.1	112078	3990	3.60	28	1.45
TiO ₂	29	0.40	0.03	0.30	0.50	2420	50.56	1.70	5	0.70
Al ₂ O ₃	29	10.51	1.19	7.92	12.5	27814	1031	3.01	14	1.15
Fe ₂ O ₃	29	3.29	1.32	0.80	5.00	11510	237.7	2.38*	19	1.28
FeO	11	0.51	0.29	<0.10	1.03	1768				
MgO	29	0.90	0.28	0.50	1.78	5451	224.2	2.35	9	0.95
CaO	29	53.6	2.16	50.8	58.0	382842	9552	3.98	49	1.69
Na ₂ O	20	0.36	0.17	0.13	0.75	1331	57.91	1.76	4	0.60
K ₂ O	29	0.40	0.35	0.07	2.43	1670	42.70	1.63	7	0.85
P ₂ O ₅	29	2.24	0.54	0.78	4.20	4887	157.8	2.20	5	0.70
F	9	-	0.07	<0.03	0.24	1243	65.42	1.82	6	0.78
SO ₃	23	1.66	1.46	<0.05	4.97	6637	207.0	2.32	18	1.26
Trace element composition (in ppm)										
Be	9	-	0.44	0.60	8.50	0.96	0.106	-0.97	nd	-
B	14	-	21.4	11.9	103	35.5	3.281	0.52	nd	-
V	27	-	55.7	24.2	205	97.6	1.915	0.28	nd	-
Cr	27	-	170	40.6	693	327	6.285	0.80	nd	-
Mn	29	-	535	20.0	2013	486	8.850	0.95	nd	-
Co	9	-	2.14	2.00	9.00	4.29	0.072	-1.14	nd	-
Ni	27	-	64.3	44.2	269	135	2.304	0.36	1	0.00
Cu	27	-	27.7	10.0	157	43.4	0.682	-0.17	8	0.90
Zn	27	-	131	24.0	474	178	2.722	0.43	nd	-
Ga	18	-	4.08	4.79	11.5	8.12	0.116	-0.93	nd	-
Ge	18	-	0.89	<0.20	3.02	1.30	0.018	-1.75	nd	-
As	27	-	7.46	<0.80	41.0	16.5	0.220	-0.66	nd	-
Se	18	-	9.53	<0.20	96.2	7.98	0.101	-1.00	3	0.48
Rb	18	-	4.04	1.85	31.9	5.94	0.070	-1.16	nd	-
Sr	27	-	355	1146	2903	1827	20.85	1.32	nd	-
Y	18	-	21.3	30.7	69.2	41.7	0.469	-0.33	nd	-
Zr	18	-	33.8	51.9	80.4	68.1	0.747	-0.13	1	0.00
Nb	18	-	3.89	3.10	10.7	7.43	0.080	-1.10	nd	-
Mo	27	-	6.64	0.48	28.0	11.0	0.115	-0.94	nd	-
Ag	14	-	0.41	0.02	2.89	0.49	0.005	-2.34	2	0.30
Cd	9	-	0.13	0.10	0.50	0.14	0.001	-2.90	nd	-
Sb	9	-	0.21	0.40	1.20	0.46	0.004	-2.43	nd	-
Ba	27	-	515	19.0	5025	392	2.856	0.46	5	0.70
Pb	27	-	4.80	<0.80	46.70	3.83	0.019	-1.73	nd	-
Th	27	-	3.25	<1.00	12.6	6.14	0.026	-1.58	nd	-
U	27	-	9.01	<1.00	62.4	12.8	0.054	-1.27	2	0.30

N = number of samples; Mean = average value; S = standard deviation; Min = minimum value; Max = maximum value; A= concentration (element average in atomic ppm); S = number of mineral species; n.d. = not detected. * Fe₂O₃ and FeO are calculated jointly; **calculated. H, C: 1 mineral found.