



STRUCTURAL SCIENCE
CRYSTAL ENGINEERING
MATERIALS

Volume 74 (2018)

Supporting information for article:

The crystal structure of cesbronite, $\text{Cu}_3\text{TeO}_4(\text{OH})_4$: a novel sheet tellurate topology

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Table S1. X-ray powder diffraction data for cesbronite.

I_{obs}	d_{obs}	d_{calc}	I_{calc}	$h k l$
38	5.938	5.920	72	0 2 0
38	4.884	4.877	62	0 2 1
4	4.314	4.302	4	0 0 2
100	3.497	3.480	100	0 2 2
		2.960	2	0 4 0
10	2.850 {	2.846	7	1 1 0
		2.799	2	0 4 1
6	2.706	2.702	7	1 1 1
18	2.587	2.581	19	0 2 3
16	2.450	2.439	23	0 4 2
79	2.361 {	2.374	42	1 1 2
		2.353	74	1 3 0
47	2.156	2.270	2	1 3 1
		2.151	38	0 0 4
		2.065	3	1 3 2
		2.060	1	0 4 3
14	2.027 {	2.022	8	0 2 4
		2.020	5	1 1 3
8	1.981	1.973	9	0 6 0
		1.923	1	0 6 1
9	1.848	1.842	14	1 5 0
		1.819	3	1 3 3
11	1.809	1.801	15	1 5 1
		1.794	1	0 6 2
		1.740	1	0 4 4
4	1.719	1.716	3	1 1 4
22	1.701	1.693	21	1 5 2
2	1.654	1.653	2	0 2 5
2	1.635	1.626	1	0 6 3
55	1.594	1.588	36	1 3 4
5	1.552	1.550	9	1 5 3
4	1.489 {	1.488	1	0 4 5
		1.480	4	0 8 0
		1.473	1	1 1 5
		1.466	9	2 0 0
12	1.467 {	1.465	1	1 7 0
		1.459	3	0 8 1
		1.454	6	0 6 4
		1.444	1	1 7 1

3	1.425	1.423	2	2 2 0
		1.404	3	2 2 1
18	1.406 {	1.400	2	0 8 2
		1.400	9	1 5 4
20	1.394 {	1.394	5	0 2 6
		1.387	16	1 7 2
11	1.354	1.351	10	2 2 2
3	1.320	1.315	1	0 8 3
3	1.294	1.291	4	0 4 6
7	1.283	1.281	7	1 1 6
		1.275	3	2 2 3
9	1.261 {	1.258	3	1 5 5
		1.256	6	2 4 2
3	1.225	1.219	4	0 8 4
6	1.215 {	1.211	8	2 0 4
		1.211	1	1 7 4
		1.204	1	0 2 7
		1.200	2	1 9 0
1	1.188 {	1.189	1	1 9 1
		1.187	2	2 2 4
1	1.181	1.177	3	2 6 0
		1.156	1	1 9 2
6	1.146	1.141	7	0 10 2
3	1.135 {	1.135	1	2 6 2
		1.132	4	1 5 6

Note: The lowest observed d -spacing was 1.135. All calculated intensities listed were of intensity 0.50 or above. Several d_{calc} which had a rounded intensity of 0 were not included in the table.