

Table S1. Powder X-ray diffraction data for hydroxymcglassonite-(K)

$I_{\text{obs}}\%$	$d_{\text{obs}} \text{ \AA}$	$d_{\text{cal}} \text{ \AA}$	h	k	l
93.9	8.008	7.915	0	1	1
13	6.407	6.420	1	1	0
42	4.539	4.540	0	2	0
7.6	4.077	4.039	0	0	4
49.6	3.940	3.938	1	2	1
80.9	3.638	3.628	1	2	2
12.2	3.440	3.419	1	1	4
33.6	3.212	3.210	2	2	0
34.4	3.055	3.044	0	1	5
58	2.993	2.983	2	2	2
15.3	2.867	2.863	1	2	4
28.2	2.800	2.827	1	3	1
16	2.712	2.705	1	3	2
100	2.538	2.534	1	3	3
9.9	2.487	2.488	2	3	1
16.8	2.415	2.404	2	3	2
12.2	2.252	2.244	1	2	6
7.6	2.190	2.182	1	4	1
29	2.146	2.146	1	3	5
19.8	2.035	2.030	2	4	0
7.6	1.977	1.969	2	4	2
3.1	1.938	1.933	1	4	4
26	1.811	1.814	2	4	4
6.1	1.778	1.799	1	3	7
6.1	1.723	1.721	3	4	3
5.3	1.683	1.677	2	5	1
6.1	1.656	1.652	1	3	8
11.5	1.623	1.621	2	4	6
11.5	1.579	1.575	2	3	8
4.6	1.523	1.522	1	3	9
9.2	1.496	1.496	3	5	3
3.8	1.469	1.468	1	6	2
3.8	1.437	1.436	2	6	0
3.1	1.414	1.413	4	5	1
5.3	1.401	1.400	1	6	4
3.1	1.383	1.381	1	2	11
4.6	1.354	1.355	1	6	5
3.1	1.323	1.319	0	6	6
4.6	1.299	1.298	4	5	5
10.7	1.270	1.268	5	5	2
2.3	1.233	1.233	2	7	2
2.3	1.213	1.209	3	6	6
4.6	1.167	1.164	3	7	3
6.1	1.143	1.140	1	3	13