Table S2. Fractional atomic coordinates and isotropic or equivalent isotropic displacement parameters (Å^2) for hydroxymcglassonite-(K).

Atom	*x*	*y*	*z*	U_{eq}
K	0	0	0.5	0.0326 (5)
B	0.11081 (5)	0.25805 (5)	0	0.01329 (13)
Si	0.22329 (8)	0.09101 (8)	0.18996 (5)	0.00783 (16)
O1	0.8557 (2)	0.3557 (2)	0.25	0.0113 (6)
O2	0.0792 (2)	0.1892 (2)	0.21559 (15)	0.0164 (4)
O3	0.2656 (2)	0.1078 (2)	0.09492 (14)	0.0159 (4)
O4	0.2230 (3)	0.4583 (3)	0.09144 (18)	0.0294 (6)
O5	0	0	0	0.0171 (13)
H1	0.189 (4)	0.548 (3)	0.091 (2)	0.019 (10)
H2	0.224 (6)	0.436 (6)	0.1438 (14)	0.059 (18)

Note: The B site is occupied by ($0.74Sr^{2+} + 0.26Ca^{2+}$).