

Table S1. X-ray powder diffraction data for edscottite ( $I_{\text{rel}} > 1$ , in Å for CuK $\alpha_1$ , Bragg-Brentano geometry) calculated with the empirical formula from this study, using Powder Cell version 2.4 and the cell parameters of the synthetic structure (Leineweber et al. 2012).

<i>h</i>	<i>k</i>	<i>l</i>	<i>d</i> [Å]	<i>I</i> <sub>rel</sub>					
-1	1	1	3.322	1	-6	2	1	1.448	1
3	1	0	2.932	1	1	3	1	1.439	2
4	0	0	2.866	1	8	0	0	1.433	1
-3	1	1	2.653	8	6	0	2	1.430	1
0	0	2	2.507	9	7	1	1	1.424	2
3	1	1	2.425	10	4	2	2	1.401	2
-2	0	2	2.419	6	-7	1	2	1.394	1
<b>0</b>	<b>2</b>	<b>0</b>	<b>2.285</b>	<b>21</b>	-3	3	1	1.380	9
<b>-1</b>	<b>1</b>	<b>2</b>	<b>2.207</b>	<b>31</b>	3	3	1	1.345	9
<b>2</b>	<b>0</b>	<b>2</b>	<b>2.192</b>	<b>26</b>	-6	2	2	1.326	1
<b>1</b>	<b>1</b>	<b>2</b>	<b>2.113</b>	<b>19</b>	-8	0	2	1.323	5
<b>0</b>	<b>2</b>	<b>1</b>	<b>2.079</b>	<b>68</b>	2	2	3	1.283	2
<b>5</b>	<b>1</b>	<b>0</b>	<b>2.050</b>	<b>100</b>	-4	2	3	1.275	2
<b>-4</b>	<b>0</b>	<b>2</b>	<b>2.027</b>	<b>27</b>	-5	3	1	1.252	18
<b>-3</b>	<b>1</b>	<b>2</b>	<b>2.010</b>	<b>36</b>	7	1	2	1.245	6
-2	2	1	1.990	12	-9	1	1	1.229	2
<b>-5</b>	<b>1</b>	<b>1</b>	<b>1.982</b>	<b>20</b>	9	1	0	1.227	2
<b>2</b>	<b>2</b>	<b>1</b>	<b>1.921</b>	<b>26</b>	5	1	3	1.225	1
6	0	0	1.911	4	-1	1	4	1.219	19
5	1	1	1.822	17	6	2	2	1.212	1
<b>3</b>	<b>1</b>	<b>2</b>	<b>1.816</b>	<b>22</b>	-8	2	1	1.212	3
4	2	0	1.787	2	5	3	1	1.209	12
4	0	2	1.773	16	-3	1	4	1.198	1
-4	2	1	1.729	13	1	1	4	1.186	1
-5	1	2	1.689	9	8	0	2	1.178	5
0	2	2	1.689	3	4	2	3	1.173	13
-2	2	2	1.661	3	-9	1	2	1.163	10
4	2	1	1.640	2	-6	2	3	1.163	12
-6	0	2	1.629	7	8	2	1	1.151	7
-1	1	3	1.582	17	10	0	0	1.147	8
2	2	2	1.582	6	-8	2	2	1.145	1
1	1	3	1.530	1	0	4	0	1.143	3
-3	1	3	1.521	2	-5	1	4	1.131	1
-4	2	2	1.516	5	-1	3	3	1.130	16
5	1	2	1.501	2	-6	0	4	1.119	7
					0	4	1	1.114	9