

Supplementary materials 1. Calculated powder diffraction data for moraskoite  
 [Debye-Scherrer geometry,  $I > 2$ ; PowderCell 2.4 (Kraus and Noltze, 1996)].

<i>h</i>	<i>k</i>	<i>l</i>	<i>d</i> <sub>hkl</sub>	<i>I</i> <sub>rel</sub>	<i>h</i>	<i>k</i>	<i>l</i>	<i>d</i> <sub>hkl</sub>	<i>I</i> <sub>rel</sub>
0	2	0	6.8555	40	2	4	3	1.8303	3
0	0	2	5.8325	7	1	0	6	1.8216	10
1	1	1	4.4954	4	1	7	1	1.8113	3
0	2	2	4.4423	2	1	1	6	1.8057	6
<b>1</b>	<b>2</b>	<b>1</b>	<b>3.9090</b>	<b>75</b>	0	8	0	1.7139	26
1	0	2	3.8862	23	2	5	3	1.6991	2
1	1	2	3.7390	8	<b>0</b>	<b>4</b>	<b>6</b>	<b>1.6911</b>	<b>67</b>
1	3	0	3.4362	7	3	2	1	1.6667	5
0	4	0	3.4278	19	1	7	3	1.6584	3
<b>0</b>	<b>2</b>	<b>3</b>	<b>3.3822</b>	<b>52</b>	3	1	2	1.6528	2
1	3	1	3.2962	6	2	6	2	1.6481	3
1	1	3	3.0390	6	3	3	0	1.6239	4
<b>0</b>	<b>4</b>	<b>2</b>	<b>2.9552</b>	<b>90</b>	0	2	7	1.6193	2
0	0	4	2.9163	49	3	3	1	1.6084	2
1	4	1	2.7813	2	2	6	3	1.5715	5
<b>2</b>	<b>0</b>	<b>0</b>	<b>2.6059</b>	<b>100</b>	2	7	2	1.5122	2
1	3	3	2.5749	17	3	3	3	1.4985	2
0	4	3	2.5713	3	3	4	2	1.4976	27
<b>1</b>	<b>4</b>	<b>2</b>	<b>2.5707</b>	<b>96</b>	3	0	4	1.4925	14
<b>1</b>	<b>0</b>	<b>4</b>	<b>2.5449</b>	<b>68</b>	0	8	4	1.4776	2
1	5	0	2.4268	15	3	5	0	1.4675	3
2	2	1	2.3844	4	2	8	0	1.4319	15
2	0	2	2.3792	9	1	8	4	1.4216	23
1	5	1	2.3759	12	2	4	6	1.4186	24
2	1	2	2.3442	2	1	0	8	1.4042	9
0	6	0	2.2852	12	2	2	7	1.3754	5
0	6	1	2.2425	2	3	5	3	1.3730	3
1	3	4	2.2235	7	1	10	1	1.3175	3
0	4	4	2.2212	3	3	5	4	1.3109	2
0	2	5	2.2086	23	4	0	0	1.3029	6
2	4	0	2.0745	2	1	4	8	1.2994	3
2	2	3	2.0642	13	3	0	6	1.2954	2
1	6	1	2.0599	3	3	1	6	1.2897	4
2	3	3	1.9564	2	2	8	4	1.2853	4
<b>2</b>	<b>4</b>	<b>2</b>	<b>1.9545</b>	<b>83</b>	2	0	8	1.2725	6
2	0	4	1.9431	26	4	2	1	1.2724	2
1	5	4	1.8654	5	4	1	2	1.2662	3
2	5	1	1.8647	4	1	10	3	1.2550	3
1	6	3	1.8429	22					