Appendix 1

Talc atomic positional parameters:

The fractional coordinates of atomic positions in the unit cell of talc listed in Table 1.6 were used for creating the crystal structure shown in Figure 1.9.

Table 1.1. Atomic Positional Parameters of talc [1]

Atom	x	y	z
Si1	0.2453	0.5026	0.2909
Si2	0.2459	0.8359	0.2911
Mg1	0.0000	0.0000	0.0000
Mg2	0.5001	0.8333	0.9999
O1	0.1991	0.8344	0.1176
O2	0.6970	0.6674	0.1126
O3	0.1980	0.5012	0.1176
O4	0.0199	0.9287	0.3481
O5	0.5202	0.9109	0.3481
O6	0.2429	0.6699	0.3484
H1	0.7190	0.6690	0.2030

For this same specimen:

Structure: Triclinic
Space Group: *C*-1
a=5.2900 Å
b=9.1730 Å
c=9.4600 Å
a=90.460^{o}
b=98.680^{o}
c=90.090^{o}
Z=2

References

1. Perdikatsis, B. and H. Burzlaff, *Strukturverfeinerung am Talk.* Zeitschrift fur Kristallographie, 1981. **156**: p. 177-186.