The crystal structure of nanpingite-2M$_2$, the Cs end-member of muscovite

Yunxiang Ni, John M. Hughes

For deposit: Tables 5 and 6

TABLE 5. Refined thermal displacement parameters in nanpingite, ($\beta \times 10^4$)

Atom	β_{11}	β_{22}	β_{33}	β_{12}	β_{13}	β_{23}
Cs	61(1)	169(3)	9.6(3)	0	9.2(9)	0
M(2)	28(3)	102(9)	3.8(8)	-10(10)	0(2)	-0(6)
T(1)	32(2)	122(8)	4.7(7)	-10(10)	-2(2)	-12(6)
T(2)	36(2)	103(8)	5.2(6)	4(9)	0(2)	3(6)
O1	35(7)	190(30)	9(2)	-10(30)	1(6)	-0(10)
O2	49(8)	160(30)	6(2)	10(20)	-5(7)	-10(10)
O3	45(7)	140(20)	5(2)	40(20)	-2(7)	-0(10)
O4	33(6)	180(30)	9(2)	-0(30)	6(6)	-20(20)
O5	69(9)	210(30)	5(2)	-30(30)	-5(8)	10(10)
O6(H)	43(7)	180(30)	6(2)	-20(20)	-4(7)	0(10)

Note: Number in parentheses denote 1 esd of least unit cited.

The form of the anisotropic displacement parameter is :

$$\mathrm{Exp}\{-[\beta_{11}{}^*h^2 + \beta_{22}{}^*k^2 + \beta_{33}{}^*l^2 + \beta_{12}{}^*hk + \beta_{13}{}^*hl + \beta_{23}{}^*kl]\}$$