

Della Ventura/May June 2002

Table 5 (to be deposited) Components of the anisotropic displacement factors

A - Mottanaite-(Ce)

Atom	b ₁₁	b ₂₂	b ₃₃	b ₁₂	b ₁₃	b ₂₃
M1	0.00064	0.00771	0.00201	-0.00010	0.00046	-0.00030
M2	0.00042	0.00736	0.00133	-0.00019	0.00024	-0.00020
M3	0.00078	0.00698	0.00105	0.00013	0.00006	-0.00004
M4	0.00059	0.01080	0.00218	0.00033	0.00041	0.00024
O1	0.00068	0.01048	0.00150	-0.00067	0.00066	0.00068
O2	0.00068	0.00733	0.00132	0.00001	0.00018	-0.00135
O3	0.00146	0.01496	0.00336	0.00200	0.00058	-0.00184
O4	0.00070	0.00734	0.00205	-0.00016	0.00054	0.00025
O5	0.00081	0.01441	0.00296	0.00107	0.00063	0.00030
O6	0.00112	0.00630	0.00292	0.00025	0.00089	-0.00084
O7	0.00058	0.00779	0.00070	-0.00018	0.00009	-0.00028
O8	0.00082	0.00997	0.00216	0.00051	-0.00027	0.00047
O9	0.00091	0.00790	0.00293	0.00036	0.00129	0.00069
O10	0.00072	0.02560	0.00346	-0.00055	0.00030	0.00343
O11	0.00060	0.03667	0.00181	-0.00292	-0.00027	0.00499
O12	0.00064	0.00662	0.00155	0	0.00072	0
O13	0.00082	0.00793	0.00127	0	0.00102	0
Si1	0.00027	0.00526	0.00153	0.00026	0.00002	0.00021
Si2	0.00034	0.00841	0.00109	-0.00020	0.00010	0.00078
B1	0.00056	0.01086	0.00020	0.00036	0.00033	0.00035
B2	0.00037	0.00641	0.00021	0.00065	-0.00024	0.00012
T	0.00074	0.01314	0.00159	-0.00039	0.00029	0.00421

B - Ciprianiite

Atom	U ₁₁	U ₂₂	U ₃₃	U ₁₂	U ₁₃	U ₂₃
M1	0.00821	0.00893	0.00963	0.00002	0.00203	-0.00069
M2	0.00731	0.00856	0.00873	-0.00059	0.00230	-0.00032
M3	0.01287	0.00992	0.01039	0.00013	0.00368	-0.00110
M4	0.00944	0.01143	0.01171	0.00066	0.00415	0.00073
O1	0.01053	0.01050	0.01075	-0.00145	0.00320	-0.00174
O2	0.00811	0.01189	0.01085	0.00124	0.00080	-0.00171
O3	0.01278	0.01729	0.01906	0.00476	0.00415	-0.00722
O4	0.01184	0.01011	0.01435	0.00005	0.00544	0.00141
O5	0.01234	0.01273	0.01657	-0.00172	0.00346	-0.00092
O6	0.01344	0.00655	0.01117	-0.00013	0.00447	0.00087
O7	0.00832	0.00767	0.01217	-0.00112	0.00121	-0.00029
O8	0.01640	0.01075	0.00930	0.00244	0.00213	-0.00032
O9	0.01099	0.00989	0.01649	0.00023	0.00560	0.00280
O10	0.01000	0.02111	0.01695	0.00090	0.00302	0.01223
O11	0.01406	0.01952	0.01290	-0.00808	0.00138	0.00464
O12	0.01467	0.01017	0.00934	0	0.00397	0
O13	0.00913	0.00849	0.01475	0	0.00463	0
Si1	0.00737	0.00741	0.00897	0.00015	0.00206	0.00019

Si2	0.00763	0.00987	0.00888	-0.00039	0.00226	-0.00018
B1	0.00693	0.00823	0.01289	-0.00136	0.00272	-0.00251
B2	0.00836	0.00790	0.01039	0.00044	0.00306	0.00123