

MPG No. 13.3.46 $4'm'm$ (4'm'm setting) [Type III, tetragonal]

Table 1: Wyckoff site: **1a**, site symmetry: $4'm'm$

No.	position	mapping
1	[0, 0, z]	[1, 2, 3, 4, 5, 6, 7, 8]

Table 2: Wyckoff site: **4b**, site symmetry: $\dots m$

No.	position	mapping
1	[x, x, z]	[1, 3]
2	[-x, -x, z]	[2, 4]
3	[-x, x, z]	[5, 7]
4	[x, -x, z]	[6, 8]

Table 3: Wyckoff site: **4c**, site symmetry: $\dots m$.

No.	position	mapping
1	[x, 0, z]	[1, 8]
2	[-x, 0, z]	[2, 7]
3	[0, x, z]	[3, 5]
4	[0, -x, z]	[4, 6]

Table 4: Wyckoff site: **8d**, site symmetry: **1**

No.	position	mapping
1	[x, y, z]	[1]
2	[-x, -y, z]	[2]
3	[-y, x, z]	[5]
4	[y, -x, z]	[6]
5	[x, -y, z]	[8]
6	[-x, y, z]	[7]
7	[-y, -x, z]	[4]
8	[y, x, z]	[3]