

MSG No. 60.420 *Pbc'n* [Type III, orthorhombic]

Table 1: Wyckoff site: **4a**, site symmetry: **-1'**

No.	position	mapping
1	[0, 0, 0]	[1, 7]
2	[0, 0, $\frac{1}{2}$]	[2, 8]
3	[$\frac{1}{2}$, $\frac{1}{2}$, 0]	[3, 5]
4	[$\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$]	[4, 6]

Table 2: Wyckoff site: **4b**, site symmetry: **-1'**

No.	position	mapping
1	[0, $\frac{1}{2}$, 0]	[1, 7]
2	[0, $\frac{1}{2}$, $\frac{1}{2}$]	[2, 8]
3	[$\frac{1}{2}$, 0, 0]	[3, 5]
4	[$\frac{1}{2}$, 0, $\frac{1}{2}$]	[4, 6]

Table 3: Wyckoff site: **4c**, site symmetry: **.2.**

No.	position	mapping
1	[0, y , $\frac{1}{4}$]	[1, 2]
2	[$\frac{1}{2}$, $y + \frac{1}{2}$, $\frac{1}{4}$]	[3, 4]
3	[$\frac{1}{2}$, $\frac{1}{2} - y$, $\frac{3}{4}$]	[5, 6]
4	[0, $-y$, $\frac{3}{4}$]	[7, 8]

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

No.	position	mapping
1	[x , y , z]	[1]
2	[$-x$, y , $\frac{1}{2} - z$]	[2]
3	[$\frac{1}{2} - x$, $y + \frac{1}{2}$, z]	[3]
4	[$x + \frac{1}{2}$, $y + \frac{1}{2}$, $\frac{1}{2} - z$]	[4]
5	[$x + \frac{1}{2}$, $\frac{1}{2} - y$, $-z$]	[5]
6	[$\frac{1}{2} - x$, $\frac{1}{2} - y$, $z + \frac{1}{2}$]	[6]
7	[$-x$, $-y$, $-z$]	[7]
8	[x , $-y$, $z + \frac{1}{2}$]	[8]