

MSG No. 25.61 P_cmm2 [Type IV, orthorhombic]

Table 1: Wyckoff site: **2a**, site symmetry: **mm2**

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

Table 2: Wyckoff site: **2b**, site symmetry: **mm2**

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

Table 3: Wyckoff site: **2c**, site symmetry: **mm2**

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

Table 4: Wyckoff site: **2d**, site symmetry: **mm2**

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

Table 5: Wyckoff site: **4e**, site symmetry: **.m.**

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

Table 6: Wyckoff site: 4f, site symmetry: .m.

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

Table 7: Wyckoff site: 4g, site symmetry: m..

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

Table 8: Wyckoff site: 4h, site symmetry: m..

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

Table 9: Wyckoff site: 8i, site symmetry: 1

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