MSG No. 13.72 P_c2/c [Type IV, monoclinic]

Table 1: Wyckoff site: `2a`, site symmetry: `2/m'`

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

Table 2: Wyckoff site: `2b`, site symmetry: `2/m'`

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

Table 3: Wyckoff site: `2c`, site symmetry: `2'/m'`

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

Table 4: Wyckoff site: `2d`, site symmetry: `2/m'`

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

Table 5: Wyckoff site: `2e`, site symmetry: `2/m'`

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

Table 6: Wyckoff site: `2f`, site symmetry: `2'/m'`

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

Table 7: Wyckoff site: 2g, site symmetry: 2'/m'

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

Table 8: Wyckoff site: 2h, site symmetry: 2'/m'

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

Table 9: Wyckoff site: 4i, site symmetry: 2

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

Table 10: Wyckoff site: 4j, site symmetry: 2

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

Table 11: Wyckoff site: 4k, site symmetry: 2'

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

Table 12: Wyckoff site: 4l, site symmetry: 2'

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

Table 13: Wyckoff site: 4m, site symmetry: m'

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

Table 14: Wyckoff site: 4n, site symmetry: m'

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

Table 15: Wyckoff site: 8o, site symmetry: 1

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