MSG No. 13.73 P_A2/c [Type IV, monoclinic]

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

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

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

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

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

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

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

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

Table 5: Wyckoff site: `4e`, site symmetry: `-1`

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

Table 6: Wyckoff site: `4f`, site symmetry: `-1`

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

Table 7: Wyckoff site: `4g`, 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	$\left[0, y+\frac{1}{2}, \frac{1}{4}\right]$	`[5,6]`
4	$\left[0, \frac{1}{2}-y, \frac{3}{4}\right]$	`[7,8]`

Table 8: Wyckoff site: `4h`, 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	$\left[\frac{1}{2}, y+\frac{1}{2}, \frac{1}{4}\right]$	`[5,6]`
4	$\left[\frac{1}{2}, \frac{1}{2}-y, \frac{3}{4}\right]$	`[7,8]`

Table 9: Wyckoff site: `4i`, site symmetry: `m'`

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

Table 10: Wyckoff site: `8j`, 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]`

continued ...

Table 10

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