MSG No. 14.83 P_A2_1/c [Type IV, monoclinic]

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

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

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

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

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

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

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

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

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

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

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

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

Table 7: Wyckoff site: `4g`, site symmetry: `2'`

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

Table 8: Wyckoff site: `4h`, site symmetry: `2'`

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

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

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

Table 10: Wyckoff site: `8j`, site symmetry: `1`

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

continued ...

Table 10

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