MSG No. 10.42 $P2/m$ [Type I, monoclinic]

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

No.	position	mapping
1	[0, 0, 0]	`[1,2,3,4]`

Table 2: Wyckoff site: `1b`, site symmetry: `2/m`

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

Table 3: Wyckoff site: `1c`, site symmetry: `2/m`

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

Table 4: Wyckoff site: `1d`, site symmetry: `2/m`

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

Table 5: Wyckoff site: `1e`, site symmetry: `2/m`

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

Table 6: Wyckoff site: `1f`, site symmetry: `2/m`

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

Table 7: Wyckoff site: `1g`, site symmetry: `2/m`

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

Table 8: Wyckoff site: `1h`, site symmetry: `2/m`

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

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

No.	position	mapping
1	$[0, y, 0]$	`[1,2]`
2	$[0, -y, 0]$	`[3,4]`

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

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

Table 11: Wyckoff site: `2k`, site symmetry: `2`

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

Table 12: Wyckoff site: `2l`, site symmetry: `2`

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

Table 13: Wyckoff site: 2m, site symmetry: m

No.	position	mapping
1	$[x,\ 0,\ z]$	[1,4]
2	$[-x,\ 0,\ -z]$	[2,3]

Table 14: Wyckoff site: 2n, site symmetry: m

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

Table 15: Wyckoff site: 4o, 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]