

SG No. 10  $C_{2h}^1$   $P2/m$  (b-axis setting) [ monoclinic ]

\* plus set: + [0, 0, 0]

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	[0, $\frac{1}{2}$ , 0]	[1,2,3,4]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table 13: Wyckoff site:  $2\bar{m}$ , site symmetry:  $\bar{m}$ 

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	$[x, \frac{1}{2}, z]$	[1,4]
2	$[-x, \frac{1}{2}, -z]$	[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]