

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: $1\mathbf{g}$, site symmetry: $2/\mathbf{m}$

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

Table 8: Wyckoff site: $1\mathbf{h}$, site symmetry: $2/\mathbf{m}$

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

Table 9: Wyckoff site: $2\mathbf{i}$, site symmetry: 2

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

Table 10: Wyckoff site: $2\mathbf{j}$, 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: $2\mathbf{k}$, 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: $2\mathbf{l}$, 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: $2\mathbf{m}$, site symmetry: \mathbf{m}

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

Table 14: Wyckoff site: $2\mathbf{n}$, site symmetry: \mathbf{m}

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

Table 15: Wyckoff site: $4\mathbf{o}$, site symmetry: $\mathbf{1}$

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