SG No. 15 C_{2h}^{6} $C2/c$ (b-axis setting) [monoclinic]

* plus set: $+[0, 0, 0]$, $+\left[\frac{1}{2}, \frac{1}{2}, 0\right]$
* Wyckoff site: `4a`, site symmetry: `-1`

Table 1: Wyckoff bond: `4a@4a`

No.	vector	center	mapping
1	$[X, Y, Z]$	$[0, 0, 0]$	`[1,-3]`
2	$[-X, Y, -Z]$	$\left[0, 0, \frac{1}{2}\right]$	`[2,-4]`

* Wyckoff site: `4b`, site symmetry: `-1`

Table 2: Wyckoff bond: `4a@4b`

No.	vector	center	mapping
1	$[X, Y, Z]$	$\left[0, \frac{1}{2}, 0\right]$	`[1,-3]`
2	$[-X, Y, -Z]$	$\left[0, \frac{1}{2}, \frac{1}{2}\right]$	`[2,-4]`

* Wyckoff site: `4c`, site symmetry: `-1`

Table 3: Wyckoff bond: `4a@4c`

No.	vector	center	mapping
1	$[X, Y, Z]$	$\left[\frac{1}{4}, \frac{1}{4}, 0\right]$	`[1,-3]`
2	$[-X, Y, -Z]$	$\left[\frac{3}{4}, \frac{1}{4}, \frac{1}{2}\right]$	`[2,-4]`

* Wyckoff site: `4d`, site symmetry: `-1`

Table 4: Wyckoff bond: `4a@4d`

No.	vector	center	mapping
1	$[X, Y, Z]$	$\left[\frac{1}{4}, \frac{1}{4}, \frac{1}{2}\right]$	`[1,-3]`
2	$[-X, Y, -Z]$	$\left[\frac{3}{4}, \frac{1}{4}, 0\right]$	`[2,-4]`

* Wyckoff site: `4e`, site symmetry: `2`

Table 5: Wyckoff bond: `4a@4e`

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

Table 6: Wyckoff bond: `4b@4e`

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

Table 7: Wyckoff bond: `8c@4e`

No.	vector	center	mapping
1	$[X,\, Y,\, Z]$	$\left[0,\, y,\, \frac{1}{4}\right]$	`[1]`
2	$[-X,\, Y,\, -Z]$	$\left[0,\, y,\, \frac{1}{4}\right]$	`[2]`
3	$[-X,\, -Y,\, -Z]$	$\left[0,\, -y,\, \frac{3}{4}\right]$	`[3]`
4	$[X,\, -Y,\, Z]$	$\left[0,\, -y,\, \frac{3}{4}\right]$	`[4]`

* Wyckoff site: `8f`, site symmetry: `1`

Table 8: Wyckoff bond: `8a@8f`

No.	vector	center	mapping
1	$[X,\, Y,\, Z]$	$[x,\, y,\, z]$	`[1]`
2	$[-X,\, Y,\, -Z]$	$\left[-x,\, y,\, \frac{1}{2} - z\right]$	`[2]`
3	$[-X,\, -Y,\, -Z]$	$[-x,\, -y,\, -z]$	`[3]`
4	$[X,\, -Y,\, Z]$	$\left[x,\, -y,\, z + \frac{1}{2}\right]$	`[4]`