SG No. 39 C_{2v}^{15} *Aem2*   [orthorhombic]

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

Table 1: Wyckoff bond: 4a@4a

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

Table 2: Wyckoff bond: 4b@4a

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

Table 3: Wyckoff bond: 8c@4a

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

* Wyckoff site: 4b, site symmetry: ..2

Table 4: Wyckoff bond: 4a@4b

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

Table 5: Wyckoff bond: 4b@4b

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

Table 6: Wyckoff bond: 8c@4b

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

* Wyckoff site: 4c, site symmetry: .m.

Table 7: Wyckoff bond: 4a@4c

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

Table 8: Wyckoff bond: 4b@4c

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

Table 9: Wyckoff bond: 8c@4c

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

* Wyckoff site: 8d, site symmetry: 1

Table 10: Wyckoff bond: 8a@8d

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