

SG No. 41 C_{2v}^{17} $Aea2$ [orthorhombic]

* plus set: $+ [0, 0, 0]$, $+ [\frac{1}{2}, \frac{1}{2}, \frac{1}{2}]$

* 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	$[X, -Y, 0]$	$[\frac{1}{2}, \frac{1}{2}, z]$	$[3, -4]$

Table 2: Wyckoff bond: 4b@4a

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

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	$[X, -Y, Z]$	$[\frac{1}{2}, \frac{1}{2}, z]$	$[3]$
4	$[-X, Y, Z]$	$[\frac{1}{2}, \frac{1}{2}, z]$	$[4]$

* Wyckoff site: 8b, site symmetry: 1

Table 4: Wyckoff bond: 8a@8b

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