

SG No. 42 C_{2v}^{18} $Fmm2$ [orthorhombic]

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

Table 1: Wyckoff site: 4a, site symmetry: $mm2$

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

Table 2: Wyckoff site: 8b, site symmetry: $. . 2$

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

Table 3: Wyckoff site: 8c, site symmetry: $m . .$

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

Table 4: Wyckoff site: 8d, site symmetry: $. m .$

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

Table 5: Wyckoff site: 16e, site symmetry: 1

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