

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:  $\text{mm2}$

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]