

SG No. 21 D_2^6 $C222$ [orthorhombic]

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

Table 1: Wyckoff site: 2a, site symmetry: 222

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

Table 2: Wyckoff site: 2b, site symmetry: 222

No.	position	mapping
1	$[0, \frac{1}{2}, 0]$	$[1, 2, 3, 4]$

Table 3: Wyckoff site: 2c, site symmetry: 222

No.	position	mapping
1	$[\frac{1}{2}, 0, \frac{1}{2}]$	$[1, 2, 3, 4]$

Table 4: Wyckoff site: 2d, site symmetry: 222

No.	position	mapping
1	$[0, 0, \frac{1}{2}]$	$[1, 2, 3, 4]$

Table 5: Wyckoff site: 4e, site symmetry: 2..

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

Table 6: Wyckoff site: 4f, site symmetry: 2..

No.	position	mapping
1	$[x, 0, \frac{1}{2}]$	$[1, 4]$
2	$[-x, 0, \frac{1}{2}]$	$[2, 3]$

Table 7: Wyckoff site: $4g$, site symmetry: $.2$.

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

Table 8: Wyckoff site: $4h$, site symmetry: $.2$.

No.	position	mapping
1	$[0, y, \frac{1}{2}]$	$[1, 3]$
2	$[0, -y, \frac{1}{2}]$	$[2, 4]$

Table 9: Wyckoff site: $4i$, site symmetry: $.2$

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

Table 10: Wyckoff site: $4j$, site symmetry: $.2$

No.	position	mapping
1	$[0, \frac{1}{2}, z]$	$[1, 2]$
2	$[0, \frac{1}{2}, -z]$	$[3, 4]$

Table 11: Wyckoff site: $4k$, site symmetry: $.2$

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

Table 12: Wyckoff site: $8l$, site symmetry: 1

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