

SG No. 17 D_2^2 $P222_1$ [orthorhombic]

* plus set: + [0, 0, 0]

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

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

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

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

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

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

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

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

Table 5: Wyckoff site: 4e, site symmetry: 1

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