

SG No. 171  $C_6^4$   $P6_2$  [ hexagonal ]

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

Table 1: Wyckoff site: 3a, site symmetry: 2..

No.	position	mapping
1	[0, 0, z]	[1,4]
2	[0, 0, z + $\frac{2}{3}$ ]	[2,5]
3	[0, 0, z + $\frac{1}{3}$ ]	[3,6]

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

No.	position	mapping
1	[ $\frac{1}{2}$ , $\frac{1}{2}$ , z]	[1,4]
2	[ $\frac{1}{2}$ , 0, z + $\frac{2}{3}$ ]	[2,5]
3	[0, $\frac{1}{2}$ , z + $\frac{1}{3}$ ]	[3,6]

Table 3: Wyckoff site: 6c, site symmetry: 1

No.	position	mapping
1	[x, y, z]	[1]
2	[-y, x - y, z + $\frac{2}{3}$ ]	[2]
3	[-x + y, -x, z + $\frac{1}{3}$ ]	[3]
4	[-x, -y, z]	[4]
5	[y, -x + y, z + $\frac{2}{3}$ ]	[5]
6	[x - y, x, z + $\frac{1}{3}$ ]	[6]