

SG No. 156  $C_{3v}^1$   $P3m1$  [ trigonal ]

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

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

No.	position	mapping
1	[0, 0, z]	[1, 2, 3, 4, 5, 6]

Table 2: Wyckoff site: 1b, site symmetry: 3m.

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

Table 3: Wyckoff site: 1c, site symmetry: 3m.

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

Table 4: Wyckoff site: 3d, site symmetry: .m.

No.	position	mapping
1	[x, -x, z]	[1, 4]
2	[x, 2x, z]	[2, 6]
3	[-2x, -x, z]	[3, 5]

Table 5: Wyckoff site: 6e, site symmetry: 1

No.	position	mapping
1	[x, y, z]	[1]
2	[-y, x - y, z]	[2]
3	[-x + y, -x, z]	[3]
4	[-y, -x, z]	[4]
5	[-x + y, y, z]	[5]
6	[x, x - y, z]	[6]