

SG No. 157 C_{3v}^2 $P31m$ [trigonal]

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

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

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

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

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

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

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

Table 4: Wyckoff site: 6d, 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]