

MPG No. 22.3.81 $\bar{6}'$ [Type III, hexagonal]

Table 1: Wyckoff site: $1\mathbf{o}$, site symmetry: $-6'$

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

Table 2: Wyckoff site: $2\mathbf{a}$, site symmetry: $3..$

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

Table 3: Wyckoff site: $3\mathbf{b}$, site symmetry: $\mathbf{m}'..$

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

Table 4: Wyckoff site: $6\mathbf{c}$, site symmetry: 1

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