

PG No. 22 C_{3h} $\bar{6}$ [hexagonal]

Table 1: Wyckoff site: 1o, site symmetry: $-6..$

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

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

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

Table 3: Wyckoff site: 3b, site symmetry: $m..$

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

Table 4: Wyckoff site: 6c, site symmetry: 1

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