

SG No. 103  $C_{4v}^5$   $P4cc$  [ tetragonal ]

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

Table 1: Wyckoff site: 2a, site symmetry: 4..

No.	position	mapping
1	[0, 0, z]	[1,2,3,4]
2	[0, 0, $z + \frac{1}{2}$ ]	[5,6,7,8]

Table 2: Wyckoff site: 2b, site symmetry: 4..

No.	position	mapping
1	$[\frac{1}{2}, \frac{1}{2}, z]$	[1,2,3,4]
2	$[\frac{1}{2}, \frac{1}{2}, z + \frac{1}{2}]$	[5,6,7,8]

Table 3: Wyckoff site: 4c, site symmetry: 2..

No.	position	mapping
1	$[0, \frac{1}{2}, z]$	[1,2]
2	$[\frac{1}{2}, 0, z]$	[3,4]
3	$[0, \frac{1}{2}, z + \frac{1}{2}]$	[5,6]
4	$[\frac{1}{2}, 0, z + \frac{1}{2}]$	[7,8]

Table 4: Wyckoff site: 8d, site symmetry: 1

No.	position	mapping
1	[x, y, z]	[1]
2	$[-x, -y, z]$	[2]
3	$[-y, x, z]$	[3]
4	$[y, -x, z]$	[4]
5	$[x, -y, z + \frac{1}{2}]$	[5]
6	$[-x, y, z + \frac{1}{2}]$	[6]
7	$[-y, -x, z + \frac{1}{2}]$	[7]
8	$[y, x, z + \frac{1}{2}]$	[8]