

SG No. 81  $S_4^1 P\bar{4}$  [ tetragonal ]

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

Table 1: Wyckoff site: 1a, site symmetry:  $-4..$

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

Table 2: Wyckoff site: 1b, site symmetry:  $-4..$

No.	position	mapping
1	$[0, 0, \frac{1}{2}]$	[1,2,3,4]

Table 3: Wyckoff site: 1c, site symmetry:  $-4..$

No.	position	mapping
1	$[\frac{1}{2}, \frac{1}{2}, 0]$	[1,2,3,4]

Table 4: Wyckoff site: 1d, site symmetry:  $-4..$

No.	position	mapping
1	$[\frac{1}{2}, \frac{1}{2}, \frac{1}{2}]$	[1,2,3,4]

Table 5: Wyckoff site: 2e, site symmetry:  $2..$

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

Table 6: Wyckoff site: 2f, site symmetry:  $2..$

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

Table 7: Wyckoff site:  $2g$ , site symmetry:  $2..$

No.	position	mapping
1	$[0, \frac{1}{2}, z]$	[1,2]
2	$[\frac{1}{2}, 0, -z]$	[3,4]

Table 8: Wyckoff site:  $4h$ , 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]