

SG No. 82  $S_4^2$   $I\bar{4}$  [ tetragonal ]

\* plus set:  $+[0, 0, 0]$ ,  $+[\frac{1}{2}, \frac{1}{2}, \frac{1}{2}]$

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

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

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

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

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

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

Table 4: Wyckoff site: 2d, site symmetry: -4..

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

Table 5: Wyckoff site: 4e, site symmetry: 2..

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

Table 6: Wyckoff site: 4f, site symmetry: 2..

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

Table 7: Wyckoff site: 8g, 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]