SG No. 77 C_4^3 $P4_2$ [tetragonal]

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

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

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

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

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

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

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

No.	position	mapping
1	$[x, y, z]$	[1]
2	$[-x, -y, z]$	[2]
3	$\left[-y, x, z + \frac{1}{2}\right]$	[3]
4	$\left[y, -x, z + \frac{1}{2}\right]$	[4]