

PG No. 10 S_4 $\bar{4}$ [tetragonal]

* Wyckoff site: 2a, site symmetry: 2..

Table 1: Wyckoff bond: 2a@2a

No.	vector	center	mapping
1	[$X, Y, 0$]	[$0, 0, z$]	[1,-2]
2	[$Y, -X, 0$]	[$0, 0, -z$]	[3,-4]

Table 2: Wyckoff bond: 2b@2a

No.	vector	center	mapping
1	[$0, 0, Z$]	[$0, 0, z$]	[1,2]
2	[$0, 0, -Z$]	[$0, 0, -z$]	[3,4]

Table 3: Wyckoff bond: 4c@2a

No.	vector	center	mapping
1	[X, Y, Z]	[$0, 0, z$]	[1]
2	[$-X, -Y, Z$]	[$0, 0, z$]	[2]
3	[$Y, -X, -Z$]	[$0, 0, -z$]	[3]
4	[$-Y, X, -Z$]	[$0, 0, -z$]	[4]

* Wyckoff site: 4b, site symmetry: 1

Table 4: Wyckoff bond: 4a@4b

No.	vector	center	mapping
1	[X, Y, Z]	[x, y, z]	[1]
2	[$-X, -Y, Z$]	[$-x, -y, z$]	[2]
3	[$Y, -X, -Z$]	[$y, -x, -z$]	[3]
4	[$-Y, X, -Z$]	[$-y, x, -z$]	[4]