PG No. 7 C_{2v} $mm2$ [orthorhombic]

* Wyckoff site: `1a`, site symmetry: `mm2`

Table 1: Wyckoff bond: `1a@1a`

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

Table 2: Wyckoff bond: `1b@1a`

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

Table 3: Wyckoff bond: `1c@1a`

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

Table 4: Wyckoff bond: `2d@1a`

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

Table 5: Wyckoff bond: `2e@1a`

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

Table 6: Wyckoff bond: `2f@1a`

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

Table 7: Wyckoff bond: `4g@1a`

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

* Wyckoff site: `2b`, site symmetry: `.m.`

Table 8: Wyckoff bond: `2a@2b`

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

Table 9: Wyckoff bond: `2b@2b`

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

Table 10: Wyckoff bond: `4c@2b`

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

* Wyckoff site: `2c`, site symmetry: `m..`

Table 11: Wyckoff bond: `2a@2c`

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

Table 12: Wyckoff bond: `2b@2c`

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

Table 13: Wyckoff bond: `4c@2c`

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

* Wyckoff site: `4d`, site symmetry: `1`

Table 14: Wyckoff bond: `4a@4d`

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