

SG No. 17 D_2^2 $P222_1$ [orthorhombic]

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

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

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

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

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

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

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

Table 4: Wyckoff site: **2d**, site symmetry: $.2.$

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

Table 5: Wyckoff site: **4e**, site symmetry: 1

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