

SG No. 24 D_2^9 $I2_12_12_1$ [orthorhombic]

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

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

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

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

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

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

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

Table 4: Wyckoff site: 8d, site symmetry: 1

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