

MSG No. 37.186 C_{Acc2} [Type IV, orthorhombic]

Table 1: Wyckoff site: 4a, site symmetry: $m'm'2$

No.	position	mapping
1	$[\frac{3}{4}, \frac{3}{4}, z]$	[1,6,12,15]
2	$[\frac{1}{4}, \frac{1}{4}, z]$	[2,5,11,16]
3	$[\frac{1}{4}, \frac{3}{4}, z + \frac{1}{2}]$	[3,8,10,13]
4	$[\frac{3}{4}, \frac{1}{4}, z + \frac{1}{2}]$	[4,7,9,14]

Table 2: Wyckoff site: 8b, site symmetry: ..2

No.	position	mapping
1	$[0, 0, z]$	[1,2]
2	$[0, 0, z + \frac{1}{2}]$	[3,4]
3	$[\frac{1}{2}, \frac{1}{2}, z]$	[5,6]
4	$[\frac{1}{2}, \frac{1}{2}, z + \frac{1}{2}]$	[7,8]
5	$[0, \frac{1}{2}, z + \frac{1}{2}]$	[9,10]
6	$[0, \frac{1}{2}, z]$	[11,12]
7	$[\frac{1}{2}, 0, z + \frac{1}{2}]$	[13,14]
8	$[\frac{1}{2}, 0, z]$	[15,16]

Table 3: Wyckoff site: 8c, site symmetry: $m'..$

No.	position	mapping
1	$[\frac{3}{4}, y, z]$	[1,15]
2	$[\frac{1}{4}, -y, z]$	[2,16]
3	$[\frac{1}{4}, y, z + \frac{1}{2}]$	[3,13]
4	$[\frac{3}{4}, -y, z + \frac{1}{2}]$	[4,14]
5	$[\frac{1}{4}, y + \frac{1}{2}, z]$	[5,11]
6	$[\frac{3}{4}, \frac{1}{2} - y, z]$	[6,12]
7	$[\frac{3}{4}, y + \frac{1}{2}, z + \frac{1}{2}]$	[7,9]
8	$[\frac{1}{4}, \frac{1}{2} - y, z + \frac{1}{2}]$	[8,10]

Table 4: Wyckoff site: 8d, site symmetry: $.m'.$

No.	position	mapping
1	$[x, \frac{3}{4}, z]$	[1,12]
2	$[-x, \frac{1}{4}, z]$	[2,11]
3	$[-x, \frac{3}{4}, z + \frac{1}{2}]$	[3,10]
4	$[x, \frac{1}{4}, z + \frac{1}{2}]$	[4,9]
5	$[x + \frac{1}{2}, \frac{1}{4}, z]$	[5,16]

continued ...

Table 4

No.	position	mapping
6	$[\frac{1}{2} - x, \frac{3}{4}, z]$	[6,15]
7	$[\frac{1}{2} - x, \frac{1}{4}, z + \frac{1}{2}]$	[7,14]
8	$[x + \frac{1}{2}, \frac{3}{4}, z + \frac{1}{2}]$	[8,13]

Table 5: Wyckoff site: 16e, site symmetry: 1

No.	position	mapping
1	$[x, y, z]$	[1]
2	$[-x, -y, z]$	[2]
3	$[-x, y, z + \frac{1}{2}]$	[3]
4	$[x, -y, z + \frac{1}{2}]$	[4]
5	$[x + \frac{1}{2}, y + \frac{1}{2}, z]$	[5]
6	$[\frac{1}{2} - x, \frac{1}{2} - y, z]$	[6]
7	$[\frac{1}{2} - x, y + \frac{1}{2}, z + \frac{1}{2}]$	[7]
8	$[x + \frac{1}{2}, \frac{1}{2} - y, z + \frac{1}{2}]$	[8]
9	$[x, y + \frac{1}{2}, z + \frac{1}{2}]$	[9]
10	$[-x, \frac{1}{2} - y, z + \frac{1}{2}]$	[10]
11	$[-x, y + \frac{1}{2}, z]$	[11]
12	$[x, \frac{1}{2} - y, z]$	[12]
13	$[x + \frac{1}{2}, y, z + \frac{1}{2}]$	[13]
14	$[\frac{1}{2} - x, -y, z + \frac{1}{2}]$	[14]
15	$[\frac{1}{2} - x, y, z]$	[15]
16	$[x + \frac{1}{2}, -y, z]$	[16]