

MSG No. 57.382  $Pb'c'm$  [ Type III, orthorhombic ]

Table 1: Wyckoff site: 4a, site symmetry: -1

No.	position	mapping
1	[0, 0, 0]	[1,3]
2	[0, 0, $\frac{1}{2}$ ]	[2,4]
3	[0, $\frac{1}{2}$ , 0]	[5,7]
4	[0, $\frac{1}{2}$ , $\frac{1}{2}$ ]	[6,8]

Table 2: Wyckoff site: 4b, site symmetry: -1

No.	position	mapping
1	[ $\frac{1}{2}$ , 0, 0]	[1,3]
2	[ $\frac{1}{2}$ , 0, $\frac{1}{2}$ ]	[2,4]
3	[ $\frac{1}{2}$ , $\frac{1}{2}$ , 0]	[5,7]
4	[ $\frac{1}{2}$ , $\frac{1}{2}$ , $\frac{1}{2}$ ]	[6,8]

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

No.	position	mapping
1	[ $x$ , $\frac{1}{4}$ , 0]	[1,5]
2	[ $-x$ , $\frac{3}{4}$ , $\frac{1}{2}$ ]	[2,6]
3	[ $-x$ , $\frac{3}{4}$ , 0]	[3,7]
4	[ $x$ , $\frac{1}{4}$ , $\frac{1}{2}$ ]	[4,8]

Table 4: Wyckoff site: 4d, site symmetry: ..m

No.	position	mapping
1	[ $x$ , $y$ , $\frac{1}{4}$ ]	[1,4]
2	[ $-x$ , $-y$ , $\frac{3}{4}$ ]	[2,3]
3	[ $x$ , $\frac{1}{2} - y$ , $\frac{3}{4}$ ]	[5,8]
4	[ $-x$ , $y + \frac{1}{2}$ , $\frac{1}{4}$ ]	[6,7]

Table 5: Wyckoff site: 8e, site symmetry: 1

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

*continued ...*

Table 5

No.	position	mapping
3	$[-x, -y, -z]$	[3]
4	$[x, y, \frac{1}{2} - z]$	[4]
5	$[x, \frac{1}{2} - y, -z]$	[5]
6	$[-x, y + \frac{1}{2}, \frac{1}{2} - z]$	[6]
7	$[-x, y + \frac{1}{2}, z]$	[7]
8	$[x, \frac{1}{2} - y, z + \frac{1}{2}]$	[8]