

MSG No. 25.59  $Pm'm2'$  [ Type III, orthorhombic ]

Table 1: Wyckoff site: 1a, site symmetry:  $\text{m'm2'}$

No.	position	mapping
1	$[0, 0, z]$	$[1, 2, 3, 4]$

Table 2: Wyckoff site: 1b, site symmetry:  $\text{m'm2'}$

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

Table 3: Wyckoff site: 1c, site symmetry:  $\text{m'm2'}$

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

Table 4: Wyckoff site: 1d, site symmetry:  $\text{m'm2'}$

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

Table 5: Wyckoff site: 2e, site symmetry:  $.\text{m}.$

No.	position	mapping
1	$[x, 0, z]$	$[1, 2]$
2	$[-x, 0, z]$	$[3, 4]$

Table 6: Wyckoff site: 2f, site symmetry:  $.\text{m}.$

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

Table 7: Wyckoff site: 2g, site symmetry: m' ..

No.	position	mapping
1	[0, $y$ , $z$ ]	[1,4]
2	[0, $-y$ , $z$ ]	[2,3]

Table 8: Wyckoff site: 2h, site symmetry: m' ..

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

Table 9: Wyckoff site: 4i, site symmetry: 1

No.	position	mapping
1	[ $x$ , $y$ , $z$ ]	[1]
2	[ $x$ , $-y$ , $z$ ]	[2]
3	[ $-x$ , $-y$ , $z$ ]	[3]
4	[ $-x$ , $y$ , $z$ ]	[4]