

MSG No. 60.421 $Pbcn'$ [Type III, orthorhombic]

Table 1: Wyckoff site: **4a**, site symmetry: $-1'$

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

Table 2: Wyckoff site: **4b**, site symmetry: $-1'$

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

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

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

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

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