

MSG No. 61.433 *Pbca* [Type I, orthorhombic]

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

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

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

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

Table 3: Wyckoff site: **8c**, site symmetry: 1

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