

MSG No. 5.16  $C_2$  [ Type IV, monoclinic ]

Table 1: Wyckoff site: 4a, site symmetry: 2

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

Table 2: Wyckoff site: 4b, site symmetry: 2'

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

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

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