

MSG No. 18.19  $P2_12'_12'$  [ Type III, orthorhombic ]

Table 1: Wyckoff site: 2a, site symmetry:  $\dots 2'$

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

Table 2: Wyckoff site: 2b, site symmetry:  $\dots 2'$

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

Table 3: Wyckoff site: 4c, site symmetry: 1

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