# MSG No. 13.67 $P2'/c$ [ Type III, monoclinic ]

Table 1: Wyckoff site: `2a`, site symmetry: `-1'`

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

Table 2: Wyckoff site: `2b`, site symmetry: `-1'`

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

Table 3: Wyckoff site: `2c`, site symmetry: `-1'`

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

Table 4: Wyckoff site: `2d`, site symmetry: `-1'`

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

Table 5: Wyckoff site: `2e`, site symmetry: `2'`

| No. | position | mapping |
|---|---|---|
| 1 | $\left[0,\ y,\ \frac{1}{4}\right]$ | `[1,3]` |
| 2 | $\left[0,\ -y,\ \frac{3}{4}\right]$ | `[2,4]` |

Table 6: Wyckoff site: `2f`, site symmetry: `2'`

| No. | position | mapping |
|---|---|---|
| 1 | $\left[\frac{1}{2},\ y,\ \frac{1}{4}\right]$ | `[1,3]` |
| 2 | $\left[\frac{1}{2},\ -y,\ \frac{3}{4}\right]$ | `[2,4]` |

Table 7: Wyckoff site: 4g, site symmetry: 1

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