

MSG No. 143.2  $P31'$  [ Type II, trigonal ]

Table 1: Wyckoff site: **1a**, site symmetry:  $3..1'$

No.	position	mapping
1	$[0, 0, z]$	$[1,2,3,4,5,6]$

Table 2: Wyckoff site: **1b**, site symmetry:  $3..1'$

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

Table 3: Wyckoff site: **1c**, site symmetry:  $3..1'$

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

Table 4: Wyckoff site: **3d**, site symmetry:  $11'$

No.	position	mapping
1	$[x, y, z]$	$[1,4]$
2	$[-y, x-y, z]$	$[2,5]$
3	$[-x+y, -x, z]$	$[3,6]$