

# SG No. 143 $C_3^1$ $P3$ [ trigonal ]

\* plus set:  $+ [0, 0, 0]$

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

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

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

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

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

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

Table 4: Wyckoff site: **3d**, site symmetry:  $1$

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