

# SG No. 170 $C_6^3$ $P6_5$ [ hexagonal ]

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

\* Wyckoff site: **6a**, site symmetry: **1**

Table 1: Wyckoff bond: **6a@6a**

No.	vector	center	mapping
1	$[X, Y, Z]$	$[x, y, z]$	[1]
2	$[-Y, X - Y, Z]$	$[-y, x - y, z + \frac{2}{3}]$	[2]
3	$[-X + Y, -X, Z]$	$[-x + y, -x, z + \frac{1}{3}]$	[3]
4	$[-X, -Y, Z]$	$[-x, -y, z + \frac{1}{2}]$	[4]
5	$[Y, -X + Y, Z]$	$[y, -x + y, z + \frac{1}{6}]$	[5]
6	$[X - Y, X, Z]$	$[x - y, x, z + \frac{5}{6}]$	[6]