

$p1$

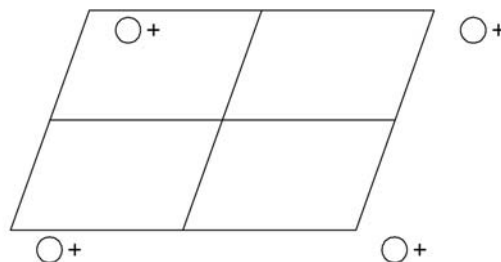
1

Triclinic/Oblique

No. 1

$p1$

Patterson symmetry  $p\bar{1}$



**Origin** arbitrary

**Asymmetric unit**  $0 \leq x \leq 1; 0 \leq y \leq 1$

**Symmetry operations**

(1) 1

**Generators selected** (1);  $t(1,0,0)$ ;  $t(0,1,0)$

**Positions**

Multiplicity, Wyckoff letter, Site symmetry	Coordinates	Reflection conditions
1 $a$ 1	(1) $x, y, z$	General: no conditions

**Symmetry of special projections**

Along $[001]$ $p1$ $\mathbf{a}' = \mathbf{a}_p$ $\mathbf{b}' = \mathbf{b}_p$ Origin at $0, 0, z$	Along $[100]$ $\bar{1}11$ $\mathbf{a}' = \mathbf{b}_p$ Origin at $x, 0, 0$	Along $[010]$ $\bar{1}11$ $\mathbf{a}' = \mathbf{a}_p$ Origin at $0, y, 0$
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**Maximal non-isotypic subgroups**

<b>I</b>	none
<b>IIa</b>	none
<b>IIb</b>	none

**Maximal isotypic subgroups of lowest index**

**IIc**  $[2] p1$  ( $\mathbf{a}' = 2\mathbf{a}$  or  $\mathbf{b}' = 2\mathbf{b}$  or  $\mathbf{a}' = \mathbf{a} + \mathbf{b}, \mathbf{b}' = -\mathbf{a} + \mathbf{b}$ ) (1)

**Minimal non-isotypic supergroups**

<b>I</b>	$[2] p\bar{1}$ (2); $[2] p112$ (3); $[2] p11m$ (4); $[2] p11a$ (5); $[2] p211$ (8); $[2] p2_111$ (9); $[2] c211$ (10); $[2] pm11$ (11); $[2] pb11$ (12); $[2] cm11$ (13); $[3] p3$ (65)
<b>II</b>	none