

$p1$

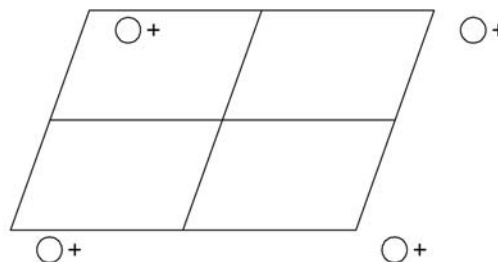
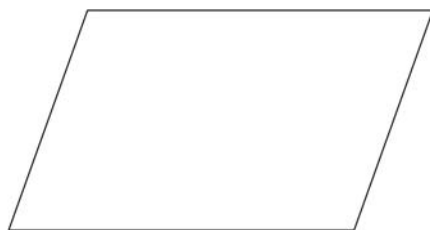
1

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
- (1|0,0,0)

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

I	none
IIa	none
IIb	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

I	[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)
II	none