

PLATON(V-311206)-Run for: kla0156

TIME: Nov 20 11:35:57 2011

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Crystal Data

Input Cell (Lattice Type: P)		Temp = 0K	Reduced Cell		(Acta Cryst.(1976), A32, 297-298)
a =	13.79300 Angstrom	alpha = 90 Degree	a =	9.989	alpha = 98.90 V = 1933.2
b =	9.98900	beta = 98.9000	b =	13.793	beta = 90.00
c =	14.20200	gamma = 90	c =	14.202	gamma = 90.00
V =	1933.17 Cubic-Angstrom	d(100) = 13.6269 Angstrom	Niggli Values		
		d(010) = 9.9890	99.780	190.247	201.697
Lambda(MoKa) =	0.71073 Angstrom	d(001) = 14.0310	-30.306	0.000	0.000

Orthogonalization Matrices

(See e.g. J.D.Dunitz, Xray Analysis and Structure Determination of Organic Molecules, Cornell Univ. Press, 1979, P236)

(X0) (13.79300 0 -2.19720) (X) , (X) (0.07250 0 0.01135) (X0) Orthogonal Axes A0, B0 and C0
 (Y0) = (0 9.98900 0)*(Y) , (Y) = (0 0.10011 0)*(Y0) are defined as:
 (Z0) (0 0 14.03101) (Z) , (Z) (0 0 0.07127) (Z0) A0 // A, C0 // C*, B0 // C0 X A0

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SPGR - Determine SpaceGroup from Observed Extinctions for: kla0156

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:: Reflection Data are READ from File : latt.hkl - (OBS-Data)

:: TRMX = 1.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 1.00

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:: TRMX = 1.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 1.00

Intensity Distribution

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sh	st/l	Ang	#	0.25	1.0	2.0	0 Percent	Distr. for I	gt 2.0 s(I)	100
1	0.30	1.66	2916	90.8	84.8	78.6	*****			
2	0.38	1.32	2847	89.0	80.0	68.6	*****			
3	0.44	1.15	2520	88.4	78.0	63.8	*****			
4	0.48	1.04	2315	87.3	76.7	61.9	*****			
5	0.52	0.97	2124	84.0	71.2	52.5	*****			
6	0.55	0.91	1903	79.7	63.9	42.1	*****			
7	0.58	0.87	1830	78.3	63.1	44.6	*****			
8	0.60	0.83	1695	74.2	55.8	37.0	*****			
9	0.63	0.80	1670	69.1	51.1	33.3	*****			
10	0.65	0.77	1489	70.8	54.9	36.7	*****			
						I		I		I
						0%		50%		100%

[illegible]

Possible 2-Fold Axes - 2-Axis Crit = 0.20, Exp. Error = 0.20 Deg., LATT = P

Nr	D	Rows			Products			Angle Between Two Direct Axes								
		N Direct	Recip	Dot	Delta	1	2	3	4	5	6	7	8	9		
1	9.989 0	1 0 0	1 0 0	1 0.000	0.											

==== Transformation Matrix: Input (a,b,c) to Conventional Cell(a', b', c') ====

(a') (1.000 0.000 0.000) (a) (x') (1.000 0.000 0.000) (x) Metrically
 (b') = (0.000 1.000 0.000) (b). (y') = (0.000 1.000 0.000) (y) Monoclinic
 (c') (0.000 0.000 1.000) (c) (z') (0.000 0.000 1.000) (z) FOM: 0.000

	Latt	a	b	c	Alpha	Beta	Gamma	Volume
Input Cell	P	13.793	9.989	14.202	90.00	98.90	90.00	1933.17
Reduc Cell	P	9.989	13.793	14.202	98.90	90.00	90.00	1933.17
Conv. Cell	mP	13.793	9.989	14.202	90.00	98.90	90.00	1933.17

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***** N O T I C E *****

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- PLATON Reference : Spek, A.L. (2003), J.Appl.Cryst. 36, 7-13
- Output Values (Esd) may have been set to 99, 999 or 9999 to Avoid Format Overflow
- Derived Parameter SU's (= Esd's) may be Incorrect in Cases where Covariances in the Atom Parameters should have been taken into Account (e.g. Those Involving Atoms That were Refined with Constraints)
- ROUNDING, in particular of the Input Coordinate Data, may give deviating values for derived geometry parameters. However, differences should be within the associated esd-range.
- PLATON is NOT a Finished Program. The Implementation of Additional Options is Planned. Some of the More Advanced Features are Experimental and may Contain Loose Ends.
- The Communication of Glitches Encountered will be Appreciated: E-mail: a.l.spek@chem.uu.nl
- Recent versions of PLATON may be obtained by Anonymous FTP from xraysoft.chem.uu.nl
- More INFO can be found on <http://www.cryst.chem.uu.nl/platon/>

:: Input Xtal Data from File latt.ins - Data Type SPF

:: NORMAL END of PLATON : 5 Pages on:
 :: latt.lis (ASCII, 132 Characters Wide)
 :: latt.lps (PostScript Version of .lis)
 :: latt.pdf (PDF Version of .lis)

:: SPGR.PAR on :latt.par