

PLATON(V-311206)-Run for: klat855a

TIME: Nov 29 22:07:35 2011

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Crystal Data

Input Cell (Lattice Type: P)		Temp = 0K	Reduced Cell		(Acta Cryst.(1976), A32, 297-298)
a =	9.73600 Angstrom	alpha = 76.2300 Degree	a =	9.736	alpha = 103.77 V = 3332.0
b =	14.37100	beta = 90	b =	14.371	beta = 90.00
c =	24.51900	gamma = 90	c =	24.519	gamma = 90.00
V =	3332.00 Cubic-Angstrom	d(100) = 9.7360 Angstrom	Niggli Values		
		d(010) = 13.9580	94.790	206.526	601.181
Lambda(MoKa) =	0.71073 Angstrom	d(001) = 23.8143	-83.871	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) (9.73600 0 0) (X) , (X) (0.10271 0 0) (X0) Orthogonal Axes A0, B0 and C0
 (Y0) = (0 14.37100 5.83613)*(Y) , (Y) = (0 0.06958 -0.01705)*(Y0) are defined as:
 (Z0) (0 0 23.81430) (Z) , (Z) (0 0 0.04199) (Z0) A0 // A, C0 // C*, B0 // C0 X A0

SPGR - Determine SpaceGroup from Observed Extinctions for: klat855a

:: 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

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	4348	90.8	84.8	78.1	*****	.....		
2	0.38	1.32	4282	88.2	77.9	64.2	*****	.....		
3	0.44	1.15	3854	84.1	72.6	55.3	*****	.....		
4	0.48	1.04	3458	82.8	67.6	45.1	*****	.....		
5	0.52	0.97	3092	75.7	55.5	33.2	*****	.....		
6	0.55	0.91	3023	69.3	47.5	23.8	*****	.....		
7	0.58	0.87	2722	65.0	40.4	14.8	*****	.....		
8	0.60	0.83	2658	62.2	37.8	13.7	*****	.....		
9	0.63	0.80	2424	57.1	33.0	9.7	***	.....		
10	0.65	0.77	2384	56.6	29.7	6.9	***	.....		
						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	9.736	0	1	0	0	1	0	0	1	0.000		0.				

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

(a') (0.000 1.000 0.000) (a) (x') (0.000 1.000 0.000) (x) Metrically
 (b') = (1.000 0.000 0.000) (b). (y') = (1.000 0.000 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	9.736	14.371	24.519	76.23	90.00	90.00	3332.00
Reduc Cell	P	9.736	14.371	24.519	103.77	90.00	90.00	3332.01
Conv. Cell	mP	14.371	9.736	24.519	90.00	103.77	90.00	3332.00

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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