

Structure factors have been supplied for datablock(s) shelx

No syntax errors found. CIF dictionary Interpreting this report

Bond precision:	C-C = 0.0043 Å	Wavelength=0.71073		
Cell:	a=11.7258 (13)	b=12.8692 (14)	c=12.6384 (14)	
	alpha=90	beta=96.173 (2)	gamma=90	
Temperature:	273 K			

Correction method= # Reported T Limits: Tmin=0.794 Tmax=0.817
AbsCorr = ?

R(reflections)= 0.0376(2929)	wR2(reflections)= 0.1003(3306)
S = 1.089	Npar= 275

The following ALERTS were generated. Each ALERT has the format

test-name_ALERT_alert-type_alert-level.

Click on the hyperlinks for more details of the test.

Alert level C

PLAT052_ALERT_1_C	Info on Absorption Correction Method	Not Given	Please Do !
PLAT094_ALERT_2_C	Ratio of Maximum / Minimum Residual Density	2.61	Report
PLAT230_ALERT_2_C	Hirshfeld Test Diff for O4 --C7 .	7.0	s.u.
PLAT906_ALERT_3_C	Large K Value in the Analysis of Variance	2.406	Check
PLAT911_ALERT_3_C	Missing FCF Refl Between Thmin & STh/L= 0.595	31	Report
	2 0 0, 12 5 0, -12 3 1, -13 4 1, -5 9 1, 7 9 1,		
	8 11 1, -4 6 2, -5 7 2, 8 10 2, 8 11 3, -4 9 4,		
	-3 9 4, -5 10 4, -4 10 4, -5 11 4, -4 10 5, -2 11 5,		
	-1 7 6, -2 9 6, -2 10 6, -1 10 6, 6 10 6, -3 12 6,		
	-7 3 7, 0 10 7, 0 11 7, 1 0 9, -4 0 12, -6 0 14,		
	-5 1 14,		

Alert level G

PLAT002_ALERT_2_G	Number of Distance or Angle Restraints on AtSite	3	Note
PLAT003_ALERT_2_G	Number of Uiso or U(i,j) Restrained non-H-Atoms	2	Report
PLAT007_ALERT_5_G	Number of Unrefined Donor-H Atoms	5	Report
	H1B H2A H2B H3A H3B		
PLAT172_ALERT_4_G	The CIF-Embedded .res File Contains DFIX Records	2	Report
PLAT177_ALERT_4_G	The CIF-Embedded .res File Contains DELU Records	1	Report
PLAT178_ALERT_4_G	The CIF-Embedded .res File Contains SIMU Records	1	Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used	0.0100	Report
PLAT192_ALERT_3_G	A Non-default DELU Restraint Value for SecondPar	0.0200	Report
PLAT199_ALERT_1_G	Reported _cell_measurement_temperature (K)	273	Check
PLAT200_ALERT_1_G	Reported _diffrn_ambient_temperature (K)	273	Check
PLAT790_ALERT_4_G	Centre of Gravity not Within Unit Cell: Resd. #	2	Note
	H2 O		
PLAT790_ALERT_4_G	Centre of Gravity not Within Unit Cell: Resd. #	3	Note
	H2 O		
PLAT794_ALERT_5_G	Tentative Bond Valency for Cu1 (II) .	2.26	Info
PLAT860_ALERT_3_G	Number of Least-Squares Restraints	10	Note
PLAT883_ALERT_1_G	Absent Datum for _atom_sites_solution_primary ..	Please Do !	
PLAT899_ALERT_4_G	SHELXL2018 is Outdated and Succeeded by SHELXL	2019/3	Note
PLAT909_ALERT_3_G	Percentage of I>2sig(I) Data at Theta(Max) Still	77%	Note
PLAT933_ALERT_2_G	Number of HKL-OMIT Records in Embedded .res File	4	Note
	-12 3 1, -5 10 4, -13 4 1, 6 10 6,		
PLAT941_ALERT_3_G	Average HKL Measurement Multiplicity	2.8	Low
PLAT965_ALERT_2_G	The SHELXL WEIGHT Optimisation has not Converged	Please Check	
PLAT967_ALERT_5_G	Note: Two-Theta Cutoff Value in Embedded .res ..	50.0	Degree
PLAT969_ALERT_5_G	The 'Henn et al.' R-Factor-gap value	2.993	Note
	Predicted wR2: Based on SigI**2 3.35 or SHELX Weight	9.21	
PLAT978_ALERT_2_G	Number C-C Bonds with Positive Residual Density.	3	Info

- 0 **ALERT level A** = Most likely a serious problem - resolve or explain
0 **ALERT level B** = A potentially serious problem, consider carefully
5 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight
23 **ALERT level G** = General information/check it is not something unexpected

4 ALERT type 1 CIF construction/syntax error, inconsistent or missing data

7 ALERT type 2 Indicator that the structure model may be wrong or deficient
7 ALERT type 3 Indicator that the structure quality may be low
6 ALERT type 4 Improvement, methodology, query or suggestion
4 ALERT type 5 Informative message, check

It is advisable to attempt to resolve as many as possible of the alerts in all categories. Often the minor alerts point to easily fixed oversights, errors and omissions in your CIF or refinement strategy, so attention to these fine details can be worthwhile. In order to resolve some of the more serious problems it may be necessary to carry out additional measurements or structure refinements. However, the purpose of your study may justify the reported deviations and the more serious of these should normally be commented upon in the discussion or experimental section of a paper or in the "special_details" fields of the CIF. checkCIF was carefully designed to identify outliers and unusual parameters, but every test has its limitations and alerts that are not important in a particular case may appear. Conversely, the absence of alerts does not guarantee there are no aspects of the results needing attention. It is up to the individual to critically assess their own results and, if necessary, seek expert advice.

Publication of your CIF in IUCr journals

A basic structural check has been run on your CIF. These basic checks will be run on all CIFs submitted for publication in IUCr journals (*Acta Crystallographica*, *Journal of Applied Crystallography*, *Journal of Synchrotron Radiation*); however, if you intend to submit to *Acta Crystallographica Section C* or *E* or *IUCrData*, you should make sure that full publication checks are run on the final version of your CIF prior to submission.

Publication of your CIF in other journals

Please refer to the *Notes for Authors* of the relevant journal for any special instructions relating to CIF submission.

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