

```
R(reflections)= 0.0601( 1265)      wR2(reflections)=
S = 1.015                          0.2534( 3972)
Npar= 270
```

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 B

PLAT026_ALERT_3_B	Ratio Observed / Unique Reflections (too) Low ..	32%	Check
PLAT031_ALERT_4_B	Refined Extinction Parameter Within Range of ...	2.389	Sigma
PLAT241_ALERT_2_B	High 'MainMol' Ueq as Compared to Neighbors of	C12	Check



Alert level C

RINTA01_ALERT_3_C	The value of Rint is greater than 0.12		
	Rint given 0.153		
PLAT220_ALERT_2_C	NonSolvent Resd 1 C Ueq(max)/Ueq(min) Range	3.3	Ratio
PLAT242_ALERT_2_C	Low 'MainMol' Ueq as Compared to Neighbors of	C8	Check
PLAT260_ALERT_2_C	Large Average Ueq of Residue Including F1	0.102	Check
PLAT340_ALERT_3_C	Low Bond Precision on C-C Bonds	0.00764	Ang.
PLAT905_ALERT_3_C	Negative K value in the Analysis of Variance ...	-169.676	Report
PLAT905_ALERT_3_C	Negative K value in the Analysis of Variance ...	-4.068	Report
PLAT905_ALERT_3_C	Negative K value in the Analysis of Variance ...	-27.777	Report
PLAT905_ALERT_3_C	Negative K value in the Analysis of Variance ...	-2.944	Report
PLAT905_ALERT_3_C	Negative K value in the Analysis of Variance ...	-7.424	Report
PLAT905_ALERT_3_C	Negative K value in the Analysis of Variance ...	-1.329	Report
PLAT905_ALERT_3_C	Negative K value in the Analysis of Variance ...	-2.939	Report
PLAT905_ALERT_3_C	Negative K value in the Analysis of Variance ...	-0.249	Report
PLAT905_ALERT_3_C	Negative K value in the Analysis of Variance ...	-0.789	Report



Alert level G

PLAT003_ALERT_2_G	Number of Uiso or Uij Restrained non-H Atoms ...	2	Report
PLAT005_ALERT_5_G	No Embedded Refinement Details Found in the CIF		Please Do !
PLAT020_ALERT_3_G	The Value of Rint is Greater Than 0.12	0.153	Report
PLAT230_ALERT_2_G	Hirshfeld Test Diff for C11 --C12 .	5.8	s.u.
PLAT230_ALERT_2_G	Hirshfeld Test Diff for C11A --C12 .	10.4	s.u.
PLAT242_ALERT_2_G	Low 'MainMol' Ueq as Compared to Neighbors of	C1	Check
PLAT242_ALERT_2_G	Low 'MainMol' Ueq as Compared to Neighbors of	C9	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C11 Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C11A Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H11A Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H11B Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H11C Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H11D Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H12A Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H12B Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H12C Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H12D Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H12E Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H12F Constrained at	0.5	Check
PLAT301_ALERT_3_G	Main Residue Disorder(Resd 1)	4%	Note
PLAT793_ALERT_4_G	Model has Chirality at C3 (Centro SPGR)	S	Verify
PLAT793_ALERT_4_G	Model has Chirality at C8 (Centro SPGR)	R	Verify
PLAT860_ALERT_3_G	Number of Least-Squares Restraints	12	Note
PLAT910_ALERT_3_G	Missing # of FCF Reflection(s) Below Theta(Min).	2	Note
PLAT978_ALERT_2_G	Number C-C Bonds with Positive Residual Density.	1	Info

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

0	ALERT type 1	CIF construction/syntax error, inconsistent or missing data
10	ALERT type 2	Indicator that the structure model may be wrong or deficient
16	ALERT type 3	Indicator that the structure quality may be low
15	ALERT type 4	Improvement, methodology, query or suggestion
2	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.

