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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.

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#### Alert level C

PLAT026_ALERT_3_C	Ratio Observed / Unique Reflections (too) Low ..	42%	Check
PLAT241_ALERT_2_C	High 'MainMol' Ueq as Compared to Neighbors of	01	Check
PLAT241_ALERT_2_C	High 'MainMol' Ueq as Compared to Neighbors of	C19	Check
PLAT241_ALERT_2_C	High 'MainMol' Ueq as Compared to Neighbors of	C25	Check
PLAT241_ALERT_2_C	High 'MainMol' Ueq as Compared to Neighbors of	C39	Check
PLAT242_ALERT_2_C	Low 'MainMol' Ueq as Compared to Neighbors of	S11	Check
PLAT242_ALERT_2_C	Low 'MainMol' Ueq as Compared to Neighbors of	C17	Check
PLAT242_ALERT_2_C	Low 'MainMol' Ueq as Compared to Neighbors of	C29	Check
PLAT260_ALERT_2_C	Large Average Ueq of Residue Including	C13	0.173 Check
PLAT341_ALERT_3_C	Low Bond Precision on C-C Bonds .....	0.00611	Ang.

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#### Alert level G

PLAT002_ALERT_2_G	Number of Distance or Angle Restraints on AtSite	5	Note
PLAT154_ALERT_1_G	The s.u.'s on the Cell Angles are Equal ..(Note)	0.005	Degree
PLAT176_ALERT_4_G	The CIF-Embedded .res File Contains SADI Records	3	Report
PLAT301_ALERT_3_G	Main Residue Disorder .....(Resd 1 )	2%	Note
PLAT395_ALERT_2_G	Deviating X-O-Y Angle From 120 for O1	145.6	Degree
PLAT410_ALERT_2_G	Short Intra H...H Contact H38 ..H35	1.73	Ang.
	x,y,z =	1_555	Check
PLAT410_ALERT_2_G	Short Intra H...H Contact H42 ..H43	1.93	Ang.
	x,y,z =	1_555	Check
PLAT793_ALERT_4_G	Model has Chirality at C1 (Centro SPGR)	S	Verify
PLAT860_ALERT_3_G	Number of Least-Squares Restraints .....	3	Note
PLAT912_ALERT_4_G	Missing # of FCF Reflections Above STh/L= 0.600	1429	Note
PLAT941_ALERT_3_G	Average HKL Measurement Multiplicity .....	2.1	Low
PLAT978_ALERT_2_G	Number C-C Bonds with Positive Residual Density.	2	Info

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

- 1 ALERT type 1 CIF construction/syntax error, inconsistent or missing data  
13 ALERT type 2 Indicator that the structure model may be wrong or deficient  
5 ALERT type 3 Indicator that the structure quality may be low  
3 ALERT type 4 Improvement, methodology, query or suggestion  
0 ALERT type 5 Informative message, check
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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.



