

```
R(reflections)= 0.0237( 19441)      wR2(reflections)=
S = 1.075                          0.0348( 21876)
Npar= 1621
```

---

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

PLAT089_ALERT_3_C	Poor Data / Parameter Ratio (Zmax < 18) .....	7.29	Note
PLAT222_ALERT_3_C	NonSolvent Resd 2 H Uiso(max)/Uiso(min) Range	4.2	Ratio
PLAT351_ALERT_3_C	Long C-H (X0.96,N1.08A) C26 - H26C .	1.11	Ang.
PLAT351_ALERT_3_C	Long C-H (X0.96,N1.08A) C31 - H31 .	1.11	Ang.
PLAT351_ALERT_3_C	Long C-H (X0.96,N1.08A) C64 - H64C .	1.13	Ang.
PLAT351_ALERT_3_C	Long C-H (X0.96,N1.08A) C68 - H68 .	1.11	Ang.
PLAT351_ALERT_3_C	Long C-H (X0.96,N1.08A) C76 - H76A .	1.11	Ang.
PLAT351_ALERT_3_C	Long C-H (X0.96,N1.08A) C78 - H78 .	1.11	Ang.
PLAT351_ALERT_3_C	Long C-H (X0.96,N1.08A) C89 - H89 .	1.11	Ang.
PLAT910_ALERT_3_C	Missing # of FCF Reflection(s) Below Theta(Min).	6	Note
PLAT911_ALERT_3_C	Missing FCF Refl Between Thmin & STh/L= 0.600	3	Report

---



#### Alert level G

PLAT068_ALERT_1_G	Reported F000 Differs from Calcd (or Missing)...	Please	Check
PLAT802_ALERT_4_G	CIF Input Record(s) with more than 80 Characters	1	Info
PLAT912_ALERT_4_G	Missing # of FCF Reflections Above STh/L= 0.600	19	Note
PLAT933_ALERT_2_G	Number of HKL-OMIT Records in Embedded .res File	4	Note
PLAT960_ALERT_3_G	Number of Intensities with I < - 2*sig(I) ...	15	Check
PLAT978_ALERT_2_G	Number C-C Bonds with Positive Residual Density.	24	Info
PLAT979_ALERT_1_G	NoSpherA2 Scattering Factors Used .....	Please	Note

---

- 
- 0 **ALERT level A** = Most likely a serious problem - resolve or explain  
0 **ALERT level B** = A potentially serious problem, consider carefully  
11 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight  
7 **ALERT level G** = General information/check it is not something unexpected
- 2 ALERT type 1 CIF construction/syntax error, inconsistent or missing data  
2 ALERT type 2 Indicator that the structure model may be wrong or deficient  
12 ALERT type 3 Indicator that the structure quality may be low  
2 ALERT type 4 Improvement, methodology, query or suggestion  
0 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.

