
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**

PLAT051_ALERT_1_C	Mu(calc) and Mu(cif) Ratio Differs from 1.0 by .	2.52 %
PLAT213_ALERT_2_C	Atom C4A has ADP max/min Ratio	3.5 prolat
PLAT220_ALERT_2_C	NonSolvent Resd 1 C Ueq(max)/Ueq(min) Range	3.8 Ratio
PLAT222_ALERT_3_C	NonSolvent Resd 1 H Uiso(max)/Uiso(min) Range	4.1 Ratio
PLAT242_ALERT_2_C	Low 'MainMol' Ueq as Compared to Neighbors of	Si04 Check
PLAT420_ALERT_2_C	D-H Bond Without Acceptor Gel --H1A .	Please Check
PLAT420_ALERT_2_C	D-H Bond Without Acceptor Gel --H1B .	Please Check
PLAT911_ALERT_3_C	Missing FCF Refl Between Thmin & STh/L= 0.600	8 Report
	-3 1 3, 2 0 4, -6 2 8, 8 0 8, -19 2 13, -19 1 14,	
	-7 5 20, -6 0 26,	

● **Alert level G**

ABSMU01_ALERT_1_G	Calculation of _exptl_absorpt_correction_mu not performed for this radiation type.	
PLAT002_ALERT_2_G	Number of Distance or Angle Restraints on AtSite	11 Note
PLAT003_ALERT_2_G	Number of Uiso or U(i,j) Restrained non-H-Atoms	2 Report
PLAT172_ALERT_4_G	The CIF-Embedded .res File Contains DFIX Records	1 Report
PLAT175_ALERT_4_G	The CIF-Embedded .res File Contains SAME Records	1 Report
PLAT176_ALERT_4_G	The CIF-Embedded .res File Contains SADI Records	1 Report
PLAT186_ALERT_4_G	The CIF-Embedded .res File Contains ISOR Records	1 Report
PLAT189_ALERT_3_G	A Non-default SAME Restraint Value for SecondPar	0.0200 Report
PLAT191_ALERT_3_G	A Non-default SADI Restraint Value has been used	0.0100 Report
PLAT301_ALERT_3_G	Main Residue Disorder(Resd 1)	24% Note
PLAT412_ALERT_2_G	Short Intra XH3 .. XHn H1B ..H10C .	2.06 Ang.
	x,y,z = 1_555	Check
PLAT412_ALERT_2_G	Short Intra XH3 .. XHn H7A ..H2D .	2.07 Ang.
	x,y,z = 1_555	Check
PLAT412_ALERT_2_G	Short Intra XH3 .. XHn H15C ..H2C .	2.10 Ang.
	x,y,z = 1_555	Check
PLAT720_ALERT_4_G	Number of Unusual/Non-Standard Labels	8 Note
	Si03 Si04 Si05 Si06 H2AA H2AB H3AA H3AB	
PLAT860_ALERT_3_G	Number of Least-Squares Restraints	26 Note
PLAT912_ALERT_4_G	Missing # of FCF Reflections Above STh/L= 0.600	54 Note
PLAT933_ALERT_2_G	Number of HKL-OMIT Records in Embedded .res File	1 Note
	-3 1 3,	
PLAT941_ALERT_3_G	Average HKL Measurement Multiplicity	4.0 Low
PLAT969_ALERT_5_G	The 'Henn et al.' R-Factor-gap value	2.228 Note
	Predicted wR2: Based on SigI**2 5.96 or SHELX Weight 11.77	
PLAT984_ALERT_1_G	The C-f' = 0.0148 Deviates from the B&C-Value	0.0137 Check

0 **ALERT level A** = Most likely a serious problem - resolve or explain

0 **ALERT level B** = A potentially serious problem, consider carefully

8 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight

20 **ALERT level G** = General information/check it is not something unexpected

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

11 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
1 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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