
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**

PLAT042_ALERT_1_C	Calc. and Reported MoietyFormula Strings Differ	Please Check
	Calc: C52 H44 Cu2 I2 N2 P2	
	Rep.: C26 H22 Cu I N P	
PLAT094_ALERT_2_C	Ratio of Maximum / Minimum Residual Density ...	2.59 Report
PLAT241_ALERT_2_C	High 'MainMol' Ueq as Compared to Neighbors of	C3 Check
PLAT241_ALERT_2_C	High 'MainMol' Ueq as Compared to Neighbors of	C23 Check
PLAT242_ALERT_2_C	Low 'MainMol' Ueq as Compared to Neighbors of	C21 Check
PLAT331_ALERT_2_C	Small Aver Phenyl C-C Dist C21 --C26 .	1.37 Ang.
PLAT350_ALERT_3_C	Short C-H (X0.96,N1.08A) C19 - H19 .	0.82 Ang.
PLAT910_ALERT_3_C	Missing # of FCF Reflection(s) Below Theta(Min).	6 Note
	1 1 0, 2 0 0, -1 0 1, 0 1 1, 1 0 1, 0 0 2,	
PLAT911_ALERT_3_C	Missing FCF Refl Between Thmin & STh/L= 0.600	12 Report
	3 1 0, 4 0 0, 2 2 1, 3 0 1, 1 2 2, 2 1 2,	
	3 2 2, -3 0 3, -1 0 3, -4 0 4, -2 0 4, -3 0 5,	
PLAT913_ALERT_3_C	Missing # of Very Strong Reflections in FCF	11 Note
	3 1 0, 4 0 0, 1 0 1, 2 2 1, 1 2 2, 2 1 2,	
	3 2 2, -3 0 3, -4 0 4, -2 0 4, -3 0 5,	

● **Alert level G**

PLAT045_ALERT_1_G	Calculated and Reported Z Differ by a Factor ...	0.500 Check
PLAT068_ALERT_1_G	Reported F000 Differs from Calcd (or Missing)...	Please Check
PLAT232_ALERT_2_G	Hirshfeld Test Diff (M-X) I1 --Cul_a .	56.5 s.u.
PLAT232_ALERT_2_G	Hirshfeld Test Diff (M-X) Cul --P1 .	9.8 s.u.
PLAT232_ALERT_2_G	Hirshfeld Test Diff (M-X) Cul --N1 .	7.0 s.u.
PLAT769_ALERT_4_G	CIF Embedded Explicitly Supplied Scattering Data	Please Note
PLAT883_ALERT_1_G	No Info/Value for _atom_sites_solution_primary .	Please Do !
PLAT912_ALERT_4_G	Missing # of FCF Reflections Above STh/L= 0.600	10 Note
PLAT969_ALERT_5_G	The 'Henn et al.' R-Factor-gap value	4.66 Note
	Predicted wR2: Based on SigI**2 1.87 or SHELX Weight	9.58
PLAT978_ALERT_2_G	Number C-C Bonds with Positive Residual Density.	7 Info
PLAT982_ALERT_1_G	The Cu-f' = 0.3283 Deviates from IT-value =	0.3201 Check
PLAT982_ALERT_1_G	The I-f' = -0.4378 Deviates from IT-value =	-0.4742 Check
PLAT983_ALERT_1_G	The Cu-f" = 1.2708 Deviates from IT-Value =	1.2651 Check
PLAT983_ALERT_1_G	The I-f" = 1.8209 Deviates from IT-Value =	1.8119 Check

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

8 ALERT type 1 CIF construction/syntax error, inconsistent or missing data
9 ALERT type 2 Indicator that the structure model may be wrong or deficient
4 ALERT type 3 Indicator that the structure quality may be low
2 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.

