
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**

PLAT220_ALERT_2_C	NonSolvent	Resd 1	C	Ueq(max)/Ueq(min)	Range	4.4	Ratio
PLAT222_ALERT_3_C	NonSolvent	Resd 1	H	Uiso(max)/Uiso(min)	Range	4.6	Ratio
PLAT232_ALERT_2_C	Hirshfeld	Test Diff (M-X)	Sn1	--C12	.	5.5	s.u.
PLAT234_ALERT_4_C	Large Hirshfeld	Difference	C18	--C19	.	0.20	Ang.
PLAT241_ALERT_2_C	High	'MainMol'	Ueq as Compared to Neighbors of			06	Check
PLAT242_ALERT_2_C	Low	'MainMol'	Ueq as Compared to Neighbors of			Sn1	Check
PLAT242_ALERT_2_C	Low	'MainMol'	Ueq as Compared to Neighbors of			C18	Check
PLAT342_ALERT_3_C	Low Bond Precision on	C-C Bonds			0.00856	Ang.
PLAT601_ALERT_2_C	Unit Cell Contains	Solvent Accessible	VOIDS of			78	Ang**3

● **Alert level G**

PLAT002_ALERT_2_G	Number of Distance or Angle	Restraints on AtSite				9	Note
PLAT003_ALERT_2_G	Number of Uiso or Uij	Restrained non-H Atoms	...			4	Report
PLAT005_ALERT_5_G	No Embedded Refinement	Details Found in the CIF				Please	Do !
PLAT083_ALERT_2_G	SHELXL	Second Parameter in WGHT	Unusually Large			23.45	Why ?
PLAT152_ALERT_1_G	The Supplied and Calc.	Volume s.u. Differ by	...			2	Units
PLAT860_ALERT_3_G	Number of Least-Squares	Restraints			26	Note
PLAT899_ALERT_4_G	SHELXL97	is Deprecated and Succeeded by	SHELXL/			2018	Note

- 0 **ALERT level A** = Most likely a serious problem - resolve or explain
0 **ALERT level B** = A potentially serious problem, consider carefully
9 **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

- 1 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
3 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
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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.

