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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 B

PLAT341_ALERT_3_B	Low Bond Precision on C-C Bonds .....	0.0163 Ang.
PLAT434_ALERT_2_B	Short Inter HL..HL Contact Br6 ..Br7 .	3.16 Ang.
	x,y,z =	1_555 Check

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#### Alert level C

PLAT790_ALERT_4_C	Centre of Gravity not Within Unit Cell: Resd. #	1 Note
	Br9 Se2	
PLAT906_ALERT_3_C	Large K Value in the Analysis of Variance .....	12.264 Check
PLAT906_ALERT_3_C	Large K Value in the Analysis of Variance .....	2.701 Check
PLAT911_ALERT_3_C	Missing FCF Refl Between Thmin & STh/L= 0.600	2 Report
PLAT972_ALERT_2_C	Check Calcd Resid. Dens. 0.96Ang From Br11	-1.74 eA-3
PLAT977_ALERT_2_C	Check Negative Difference Density on H3 .	-0.42 eA-3
PLAT977_ALERT_2_C	Check Negative Difference Density on H8 .	-0.47 eA-3
PLAT977_ALERT_2_C	Check Negative Difference Density on H9A .	-0.63 eA-3

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#### Alert level G

PLAT003_ALERT_2_G	Number of Uiso or Uij Restrained non-H Atoms ...	3 Report
PLAT007_ALERT_5_G	Number of Unrefined Donor-H Atoms .....	3 Report
PLAT083_ALERT_2_G	SHELXL Second Parameter in WGHT Unusually Large	216.77 Why ?
PLAT178_ALERT_4_G	The CIF-Embedded .res File Contains SIMU Records	1 Report
PLAT300_ALERT_4_G	Atom Site Occupancy of N3 Constrained at	0.5 Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C13 Constrained at	0.5 Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C14 Constrained at	0.5 Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C15 Constrained at	0.5 Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C16 Constrained at	0.5 Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C17 Constrained at	0.5 Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C18 Constrained at	0.5 Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H3 Constrained at	0.5 Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H13 Constrained at	0.5 Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H14 Constrained at	0.5 Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H16 Constrained at	0.5 Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H17 Constrained at	0.5 Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H18A Constrained at	0.5 Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H18B Constrained at	0.5 Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H18C Constrained at	0.5 Check
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 5 )	100% Note
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in ..... (Resd 5 )	7.50 Check
PLAT434_ALERT_2_G	Short Inter HL..HL Contact Br2 ..Br4 .	3.43 Ang.
	x,y,z =	1_555 Check
PLAT434_ALERT_2_G	Short Inter HL..HL Contact Br5 ..Br8 .	3.47 Ang.
	1/2+x,1/2+y,z =	3_555 Check
PLAT789_ALERT_4_G	Atoms with Negative _atom_site_disorder_group #	15 Check
PLAT860_ALERT_3_G	Number of Least-Squares Restraints .....	12 Note
PLAT883_ALERT_1_G	No Info/Value for _atom_sites_solution_primary .	Please Do !
PLAT910_ALERT_3_G	Missing # of FCF Reflection(s) Below Theta(Min).	1 Note
PLAT912_ALERT_4_G	Missing # of FCF Reflections Above STh/L= 0.600	14 Note
PLAT913_ALERT_3_G	Missing # of Very Strong Reflections in FCF ....	1 Note

PLAT933_ALERT_2_G	Number of HKL-OMIT Records in Embedded .res File	1	Note
PLAT961_ALERT_5_G	Dataset Contains no Negative Intensities .....		Please Check
PLAT965_ALERT_2_G	The SHELXL WEIGHT Optimisation has not Converged		Please Check
PLAT978_ALERT_2_G	Number C-C Bonds with Positive Residual Density.	0	Info

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

1 ALERT type 1 CIF construction/syntax error, inconsistent or missing data  
 12 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  
 21 ALERT type 4 Improvement, methodology, query or suggestion  
 2 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.

