

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

RINTA01_ALERT_3_C The value of Rint is greater than 0.12
Rint given 0.169
STRVA01_ALERT_4_C Flack test results are ambiguous.
From the CIF: `_refine_ls_abs_structure_Flack` 0.466
From the CIF: `_refine_ls_abs_structure_Flack_su` 0.019
PLAT018_ALERT_1_C `_diffrn_measured_fraction_theta_max` .NE. *_full ! Check
PLAT214_ALERT_2_C Atom B303 (Anion/Solvent) ADP max/min Ratio 4.4 prolat
PLAT214_ALERT_2_C Atom B203 (Anion/Solvent) ADP max/min Ratio 4.4 prolat
PLAT214_ALERT_2_C Atom Bi03 (Anion/Solvent) ADP max/min Ratio 4.4 prolat
PLAT244_ALERT_4_C Low 'Solvent' Ueq as Compared to Neighbors of Cl21 Check

Alert level G

PLAT002_ALERT_2_G Number of Distance or Angle Restraints on AtSite 64 Note
PLAT004_ALERT_5_G Polymeric Structure Found with Maximum Dimension 1 Info
PLAT017_ALERT_1_G Check Scattering Type Consistency of B117 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B118 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B119 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B120 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B121 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B122 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B123 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B124 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B201 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B202 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B203 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B204 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B205 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B206 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B207 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B208 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B217 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B218 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B219 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B220 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B221 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B222 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B223 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B224 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B301 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B302 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B303 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B304 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B305 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B306 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B307 as BI
PLAT017_ALERT_1_G Check Scattering Type Consistency of B308 as BI
PLAT020_ALERT_3_G The Value of Rint is Greater Than 0.12 0.169 Report
PLAT033_ALERT_4_G Flack x Value Deviates > 3.0 * sigma from Zero . 0.466 Note
PLAT045_ALERT_1_G Calculated and Reported Z Differ by a Factor ... 0.08 Check
PLAT152_ALERT_1_G The Supplied and Calc. Volume s.u. Differ by ... 3 Units
PLAT171_ALERT_4_G The CIF-Embedded .res File Contains EADP Records 21 Report
PLAT176_ALERT_4_G The CIF-Embedded .res File Contains SADI Records 32 Report
PLAT301_ALERT_3_G Main Residue Disorder(Resd 1) 5% Note
PLAT301_ALERT_3_G Main Residue Disorder(Resd 2) 5% Note

PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 3)	39%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 4)	8%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 14)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 15)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 16)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 17)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 18)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 19)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 20)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 21)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 22)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 23)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 24)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 25)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 26)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 27)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 28)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 29)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 30)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 31)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 32)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 33)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 34)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 35)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 36)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 37)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 46)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 47)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 48)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 49)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 50)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 51)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 52)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 53)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 54)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 55)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 56)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 57)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 58)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 59)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 60)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 61)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 62)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 63)	100%	Note
PLAT720_ALERT_4_G	Number of Unusual/Non-Standard Labels	59	Note
PLAT794_ALERT_5_G	Tentative Bond Valency for Tl1 (I) .	0.80	Info
PLAT794_ALERT_5_G	Tentative Bond Valency for Tl2 (I) .	0.68	Info
PLAT794_ALERT_5_G	Tentative Bond Valency for Tl3 (I) .	0.76	Info
PLAT794_ALERT_5_G	Tentative Bond Valency for Tl4 (I) .	0.80	Info
PLAT811_ALERT_5_G	No ADDSYM Analysis: Too Many Excluded Atoms	!	Info
PLAT860_ALERT_3_G	Number of Least-Squares Restraints	450	Note
PLAT933_ALERT_2_G	Number of OMIT Records in Embedded .res File ...	20	Note

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

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

5 ALERT type 2 Indicator that the structure model may be wrong or deficient
5 ALERT type 3 Indicator that the structure quality may be low
50 ALERT type 4 Improvement, methodology, query or suggestion
6 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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