
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 B

PLAT306_ALERT_2_B	Isolated Oxygen Atom (H-atoms Missing ?)	.....	O5W	Check
PLAT306_ALERT_2_B	Isolated Oxygen Atom (H-atoms Missing ?)	.....	O6W	Check
PLAT306_ALERT_2_B	Isolated Oxygen Atom (H-atoms Missing ?)	.....	O7W	Check
PLAT306_ALERT_2_B	Isolated Oxygen Atom (H-atoms Missing ?)	.....	O10W	Check
PLAT306_ALERT_2_B	Isolated Oxygen Atom (H-atoms Missing ?)	.....	O11W	Check
PLAT306_ALERT_2_B	Isolated Oxygen Atom (H-atoms Missing ?)	.....	O12W	Check
PLAT340_ALERT_3_B	Low Bond Precision on C-C Bonds	.....	0.01238	Ang.
PLAT430_ALERT_2_B	Short Inter D...A Contact	O5W ..04WA .	2.79	Ang.
		x,y,z =	1_555	Check
PLAT430_ALERT_2_B	Short Inter D...A Contact	O5W ..011W .	2.80	Ang.
		-1+x,y,z =	1_455	Check
PLAT430_ALERT_2_B	Short Inter D...A Contact	O6W ..02WA .	2.66	Ang.
		x,y,z =	1_555	Check
PLAT430_ALERT_2_B	Short Inter D...A Contact	O6W ..02WB .	2.70	Ang.
		x,y,z =	1_555	Check
PLAT430_ALERT_2_B	Short Inter D...A Contact	O6W ..07W .	2.75	Ang.
		x,y,z =	1_555	Check
PLAT430_ALERT_2_B	Short Inter D...A Contact	O6W ..04WA .	2.80	Ang.
		1+x,y,z =	1_655	Check
PLAT430_ALERT_2_B	Short Inter D...A Contact	O7W ..010W .	2.77	Ang.
		1+x,y,z =	1_655	Check
PLAT430_ALERT_2_B	Short Inter D...A Contact	O13W ..057_1 .	2.73	Ang.
		x,y,z =	1_555	Check

Alert level C

DIFMX02_ALERT_1_C	The maximum difference density is > 0.1*ZMAX*0.75			
	The relevant atom site should be identified.			
PLAT042_ALERT_1_C	Calc. and Reported MoietyFormula Strings Differ		Please	Check
PLAT084_ALERT_3_C	High wR2 Value (i.e. > 0.25)	.....	0.27	Report
PLAT089_ALERT_3_C	Poor Data / Parameter Ratio (Zmax < 18)	.....	6.54	Note
PLAT097_ALERT_2_C	Large Reported Max. (Positive) Residual Density		0.77	eA-3
PLAT202_ALERT_3_C	Isotropic non-H Atoms in Anion/Solvent	.....	6	Check
	O5W O7W O11W O12W O8WA O9WA			
PLAT220_ALERT_2_C	NonSolvent Resd 1 O Ueq(max)/Ueq(min) Range		3.8	Ratio
PLAT222_ALERT_3_C	NonSolvent Resd 1 H Uiso(max)/Uiso(min) Range		5.1	Ratio
PLAT234_ALERT_4_C	Large Hirshfeld Difference O61_1 --C61_1 .		0.21	Ang.
PLAT234_ALERT_4_C	Large Hirshfeld Difference C56_1 --C66_1 .		0.16	Ang.
PLAT242_ALERT_2_C	Low 'MainMol' Ueq as Compared to Neighbors of		C61_1	Check
PLAT260_ALERT_2_C	Large Average Ueq of Residue Including	O3W	0.173	Check
PLAT430_ALERT_2_C	Short Inter D...A Contact	O5W ..09WA .	2.89	Ang.
		-1/2+x,1/2+y,z =	3_455	Check
PLAT430_ALERT_2_C	Short Inter D...A Contact	O6W ..04WB .	2.86	Ang.
		1+x,y,z =	1_655	Check
PLAT911_ALERT_3_C	Missing FCF Refl Between Thmin & STh/L=	0.595	17	Report
PLAT975_ALERT_2_C	Check Calcd Resid. Dens.	0.64Ang From O9WB .	0.45	eA-3
PLAT975_ALERT_2_C	Check Calcd Resid. Dens.	1.02Ang From O9WA .	0.41	eA-3
PLAT976_ALERT_2_C	Check Calcd Resid. Dens.	0.49Ang From O11W .	-0.42	eA-3

● Alert level G

PLAT002_ALERT_2_G	Number of Distance or Angle Restraints on AtSite	59	Note
PLAT003_ALERT_2_G	Number of Uiso or Uij Restrained non-H Atoms ...	40	Report
PLAT007_ALERT_5_G	Number of Unrefined Donor-H Atoms	27	Report
PLAT045_ALERT_1_G	Calculated and Reported Z Differ by a Factor ...	0.250	Check
PLAT072_ALERT_2_G	SHELXL First Parameter in WGHT Unusually Large	0.18	Report
PLAT083_ALERT_2_G	SHELXL Second Parameter in WGHT Unusually Large	15.85	Why ?
PLAT172_ALERT_4_G	The CIF-Embedded .res File Contains DFIX Records	56	Report
PLAT173_ALERT_4_G	The CIF-Embedded .res File Contains DANG Records	81	Report
PLAT174_ALERT_4_G	The CIF-Embedded .res File Contains FLAT Records	18	Report
PLAT175_ALERT_4_G	The CIF-Embedded .res File Contains SAME Records	2	Report
PLAT178_ALERT_4_G	The CIF-Embedded .res File Contains SIMU Records	2	Report
PLAT300_ALERT_4_G	Atom Site Occupancy of O64A_1 Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of O64B_1 Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of O67A_1 Constrained at	0.6	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of O67B_1 Constrained at	0.4	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C64A_1 Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C64B_1 Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H64A_1 Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H64B_1 Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H64C_1 Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H64D_1 Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H64E_1 Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H64F_1 Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H67C_1 Constrained at	0.6	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H67D_1 Constrained at	0.4	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of O2_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of O1_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C11_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C1_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C6_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C8_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C4_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C12_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C15_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C17_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C18_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C16_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C14_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C13_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C10_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C3_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C2_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C7_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C9_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C5_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H11A_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H11B_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H11C_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H6A_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H6B_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H8A_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H8B_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H4_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H15_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H17_2 Constrained at	0.25	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H2K_2 Constrained at	0.25	Check

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PLAT300_ALERT_4_G	Atom Site Occupancy of O1W	Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of O3W	Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of O13W	Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of O2WA	Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of O2WB	Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of O4WA	Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of O4WB	Constrained at	0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of O8WA	Constrained at	0.7	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of O9WA	Constrained at	0.6	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of Ow8B	Constrained at	0.3	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of O9WB	Constrained at	0.4	Check
PLAT301_ALERT_3_G	Main Residue Disorder	(Resd 1)	4%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder	(Resd 2)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder	(Resd 3)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder	(Resd 4)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder	(Resd 5)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder	(Resd 12)	100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder	(Resd 13)	100%	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
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in	(Resd 5)	0.50	Check
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in	(Resd 9)	0.50	Check
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in	(Resd 11)	0.50	Check
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in	(Resd 12)	0.50	Check
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in	(Resd 13)	0.50	Check
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in	(Resd 14)	0.50	Check
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in	(Resd 15)	0.50	Check
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in	(Resd 16)	0.50	Check
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in	(Resd 17)	0.70	Check
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in	(Resd 18)	0.60	Check
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in	(Resd 19)	0.30	Check
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in	(Resd 20)	0.40	Check
PLAT311_ALERT_2_G	Isolated Disordered Oxygen Atom (No H's ?)	.....	O1W	Check
PLAT311_ALERT_2_G	Isolated Disordered Oxygen Atom (No H's ?)	.....	O3W	Check
PLAT311_ALERT_2_G	Isolated Disordered Oxygen Atom (No H's ?)	.....	O13W	Check
PLAT311_ALERT_2_G	Isolated Disordered Oxygen Atom (No H's ?)	.....	O2WA	Check
PLAT311_ALERT_2_G	Isolated Disordered Oxygen Atom (No H's ?)	.....	O2WB	Check
PLAT311_ALERT_2_G	Isolated Disordered Oxygen Atom (No H's ?)	.....	O4WA	Check
PLAT311_ALERT_2_G	Isolated Disordered Oxygen Atom (No H's ?)	.....	O4WB	Check
PLAT311_ALERT_2_G	Isolated Disordered Oxygen Atom (No H's ?)	.....	O8WA	Check
PLAT311_ALERT_2_G	Isolated Disordered Oxygen Atom (No H's ?)	.....	O9WA	Check
PLAT311_ALERT_2_G	Isolated Disordered Oxygen Atom (No H's ?)	.....	Ow8B	Check
PLAT311_ALERT_2_G	Isolated Disordered Oxygen Atom (No H's ?)	.....	O9WB	Check
PLAT411_ALERT_2_G	Short Inter H...H Contact	H35_1 ..H8B_2 .	2.11 Ang.	
		x,y,z =	1_555	Check
PLAT414_ALERT_2_G	Short Intra D-H..H-X	H67A_1 ..H67D_1 .	1.00 Ang.	
		x,y,z =	1_555	Check
PLAT414_ALERT_2_G	Short Intra D-H..H-X	H67B_1 ..H67C_1 .	2.08 Ang.	
		x,y,z =	1_555	Check
PLAT415_ALERT_2_G	Short Inter D-H..H-X	H61_1 ..H64A_1 .	1.86 Ang.	
		1-x,y,1-z =	2_656	Check
PLAT415_ALERT_2_G	Short Inter D-H..H-X	H66A_1 ..H67D_1 .	1.75 Ang.	

	1-x,y,1-z =	2_656 Check
PLAT432_ALERT_2_G Short Inter X...Y Contact O13W ..C66_1 .		3.02 Ang.
	1-x,y,1-z =	2_656 Check
PLAT650_ALERT_4_G SWAT Instruction Used to Model Solvent Disorder		! Report
PLAT720_ALERT_4_G Number of Unusual/Non-Standard Labels		250 Note
PLAT789_ALERT_4_G Atoms with Negative _atom_site_disorder_group #		88 Check
PLAT791_ALERT_4_G Model has Chirality at C11_1 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C21_1 (Sohnke SpGr)		R Verify
PLAT791_ALERT_4_G Model has Chirality at C31_1 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C41_1 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C51_1 (Sohnke SpGr)		R Verify
PLAT791_ALERT_4_G Model has Chirality at C12_1 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C22_1 (Sohnke SpGr)		R Verify
PLAT791_ALERT_4_G Model has Chirality at C32_1 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C42_1 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C52_1 (Sohnke SpGr)		R Verify
PLAT791_ALERT_4_G Model has Chirality at C13_1 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C23_1 (Sohnke SpGr)		R Verify
PLAT791_ALERT_4_G Model has Chirality at C33_1 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C43_1 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C53_1 (Sohnke SpGr)		R Verify
PLAT791_ALERT_4_G Model has Chirality at C24_1 (Sohnke SpGr)		R Verify
PLAT791_ALERT_4_G Model has Chirality at C34_1 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C15_1 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C25_1 (Sohnke SpGr)		R Verify
PLAT791_ALERT_4_G Model has Chirality at C35_1 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C45_1 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C55_1 (Sohnke SpGr)		R Verify
PLAT791_ALERT_4_G Model has Chirality at C16_1 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C26_1 (Sohnke SpGr)		R Verify
PLAT791_ALERT_4_G Model has Chirality at C36_1 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C46_1 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C56_1 (Sohnke SpGr)		R Verify
PLAT791_ALERT_4_G Model has Chirality at C27_1 (Sohnke SpGr)		R Verify
PLAT791_ALERT_4_G Model has Chirality at C37_1 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C1_2 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C4_2 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C3_2 (Sohnke SpGr)		R Verify
PLAT791_ALERT_4_G Model has Chirality at C2_2 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C5_2 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C3_3 (Sohnke SpGr)		R Verify
PLAT791_ALERT_4_G Model has Chirality at C2_3 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C5_3 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C1_3 (Sohnke SpGr)		S Verify
PLAT791_ALERT_4_G Model has Chirality at C4_3 (Sohnke SpGr)		S Verify
PLAT811_ALERT_5_G No ADDSYM Analysis: Too Many Excluded Atoms		! Info
PLAT860_ALERT_3_G Number of Least-Squares Restraints		202 Note
PLAT883_ALERT_1_G No Info/Value for _atom_sites_solution_primary .		Please Do !
PLAT909_ALERT_3_G Percentage of I>2sig(I) Data at Theta(Max) Still		59% Note
PLAT933_ALERT_2_G Number of HKL-OMIT Records in Embedded .res File		17 Note
PLAT978_ALERT_2_G Number C-C Bonds with Positive Residual Density.		0 Info

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

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

