
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	3.3	Ratio
PLAT230_ALERT_2_C	Hirshfeld	Test Diff for	F22A	--C22	.	5.8	s.u.
PLAT230_ALERT_2_C	Hirshfeld	Test Diff for	F23A	--C23	.	6.3	s.u.
PLAT230_ALERT_2_C	Hirshfeld	Test Diff for	F23C	--C23	.	5.6	s.u.
PLAT230_ALERT_2_C	Hirshfeld	Test Diff for	C15	--C18	.	5.1	s.u.
PLAT230_ALERT_2_C	Hirshfeld	Test Diff for	C24	--C27	.	5.6	s.u.
PLAT234_ALERT_4_C	Large	Hirshfeld Difference	F14A	--C14	.	0.18	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld Difference	F14C	--C14	.	0.24	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld Difference	F22B	--C22	.	0.16	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld Difference	F23B	--C23	.	0.16	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld Difference	F32A	--C32	.	0.18	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld Difference	F32B	--C32	.	0.18	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld Difference	O4	--C8	.	0.17	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld Difference	O8	--C15	.	0.18	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld Difference	O8	--C17	.	0.19	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld Difference	O12	--C24	.	0.19	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld Difference	C13	--C14	.	0.19	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld Difference	C22	--C23	.	0.17	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld Difference	C31	--C32	.	0.20	Ang.
PLAT241_ALERT_2_C	High	'MainMol'	Ueq as Compared to Neighbors of			C2	Check
PLAT242_ALERT_2_C	Low	'MainMol'	Ueq as Compared to Neighbors of			Gd1	Check
PLAT242_ALERT_2_C	Low	'MainMol'	Ueq as Compared to Neighbors of			C4	Check
PLAT242_ALERT_2_C	Low	'MainMol'	Ueq as Compared to Neighbors of			C13	Check
PLAT242_ALERT_2_C	Low	'MainMol'	Ueq as Compared to Neighbors of			C22	Check
PLAT242_ALERT_2_C	Low	'MainMol'	Ueq as Compared to Neighbors of			C31	Check
PLAT309_ALERT_2_C	Single	Bonded Oxygen (C-O > 1.3 Ang)			O4A	Check
PLAT342_ALERT_3_C	Low	Bond Precision on	C-C Bonds			0.01332	Ang.
PLAT361_ALERT_2_C	Long	C(sp3)-C(sp3) Bond	C15 - C18	.		1.74	Ang.
PLAT767_ALERT_4_C	INS	Embedded LIST 6 Instruction	Should be LIST 4			Please	Check
PLAT911_ALERT_3_C	Missing	FCF Refl Between Thmin & STh/L=	0.600			64	Report
PLAT918_ALERT_3_C	Reflection(s)	with I(obs) much Smaller I(calc)	.			1	Check
PLAT971_ALERT_2_C	Check	Calcd Resid. Dens.	0.95Ang From F23B			2.31	eA-3
PLAT971_ALERT_2_C	Check	Calcd Resid. Dens.	1.26Ang From F23B			2.05	eA-3
PLAT971_ALERT_2_C	Check	Calcd Resid. Dens.	0.87Ang From F14A			1.58	eA-3
PLAT971_ALERT_2_C	Check	Calcd Resid. Dens.	1.22Ang From F32C			1.52	eA-3
PLAT972_ALERT_2_C	Check	Calcd Resid. Dens.	0.58Ang From F23A			-1.61	eA-3
PLAT973_ALERT_2_C	Check	Calcd Positive Resid. Density on	Gd1			1.26	eA-3
PLAT977_ALERT_2_C	Check	Negative Difference Density on	H17B	.		-0.32	eA-3

Alert level G

PLAT002_ALERT_2_G	Number of Distance or Angle Restraints on AtSite	28	Note
PLAT003_ALERT_2_G	Number of Uiso or Uij Restrained non-H Atoms ...	23	Report
PLAT072_ALERT_2_G	SHELXL First Parameter in WGHT Unusually Large	0.13	Report
PLAT154_ALERT_1_G	The s.u.'s on the Cell Angles are Equal ..(Note)	0.002	Degree
PLAT172_ALERT_4_G	The CIF-Embedded .res File Contains DFIX Records	4	Report
PLAT173_ALERT_4_G	The CIF-Embedded .res File Contains DANG Records	2	Report
PLAT176_ALERT_4_G	The CIF-Embedded .res File Contains SADI Records	6	Report
PLAT177_ALERT_4_G	The CIF-Embedded .res File Contains DELU Records	1	Report
PLAT186_ALERT_4_G	The CIF-Embedded .res File Contains ISOR Records	7	Report

PLAT192_ALERT_3_G	A Non-default DELU Restraint Value for SecondPar			0.0200	Report
PLAT230_ALERT_2_G	Hirshfeld Test Diff for C6	--C9	.	5.2	s.u.
PLAT230_ALERT_2_G	Hirshfeld Test Diff for C8	--C6A	.	6.6	s.u.
PLAT242_ALERT_2_G	Low 'MainMol' Ueq as Compared to Neighbors of			C5	Check
PLAT242_ALERT_2_G	Low 'MainMol' Ueq as Compared to Neighbors of			C14	Check
PLAT301_ALERT_3_G	Main Residue Disorder	(Resd 1)		8%	Note
PLAT311_ALERT_2_G	Isolated Disordered Oxygen Atom (No H's ?)		O8A	Check
PLAT311_ALERT_2_G	Isolated Disordered Oxygen Atom (No H's ?)		O12A	Check
PLAT367_ALERT_2_G	Long? C(sp?)-C(sp?) Bond	C21 - C24	.	1.55	Ang.
PLAT367_ALERT_2_G	Long? C(sp?)-C(sp?) Bond	C24 - C27	.	1.69	Ang.
PLAT398_ALERT_2_G	Deviating C-O-C Angle From 120 for O4		.	108.7	Degree
PLAT398_ALERT_2_G	Deviating C-O-C Angle From 120 for O8		.	108.5	Degree
PLAT412_ALERT_2_G	Short Intra XH3 .. XHn	H7A ..H9C	.	2.04	Ang.
		x,y,z =		1_555	Check
PLAT412_ALERT_2_G	Short Intra XH3 .. XHn	H8C ..H7AC	.	1.92	Ang.
		x,y,z =		1_555	Check
PLAT413_ALERT_2_G	Short Inter XH3 .. XHn	H2 ..H7AB	.	2.09	Ang.
		-x,-y,1-z =		2_556	Check
PLAT720_ALERT_4_G	Number of Unusual/Non-Standard Labels			3	Note
PLAT773_ALERT_2_G	Check long C-C Bond in CIF: C15	--C18		1.74	Ang.
PLAT793_ALERT_4_G	Model has Chirality at C15	(Centro SPGR)		R	Verify
PLAT793_ALERT_4_G	Model has Chirality at C33	(Centro SPGR)		R	Verify
PLAT794_ALERT_5_G	Tentative Bond Valency for Gd1	(III)	.	3.50	Info
PLAT860_ALERT_3_G	Number of Least-Squares Restraints			201	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).			2	Note
PLAT912_ALERT_4_G	Missing # of FCF Reflections Above STh/L= 0.600			70	Note
PLAT913_ALERT_3_G	Missing # of Very Strong Reflections in FCF			3	Note
PLAT933_ALERT_2_G	Number of HKL-OMIT Records in Embedded .res File			1	Note
PLAT941_ALERT_3_G	Average HKL Measurement Multiplicity			2.1	Low
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
 0 **ALERT level B** = A potentially serious problem, consider carefully
 38 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight
 37 **ALERT level G** = General information/check it is not something unexpected

2 ALERT type 1 CIF construction/syntax error, inconsistent or missing data
 40 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
 23 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.

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