

R(reflections)= 0.0936(1080)	wR2(reflections)= 0.1926(3380)
S = 0.864	Npar= 236

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

PLAT026_ALERT_3_B	Ratio Observed / Unique Reflections (too) Low ..	32% Check
PLAT340_ALERT_3_B	Low Bond Precision on C-C Bonds	0.01091 Ang.

 Alert level C

PLAT234_ALERT_4_C	Large Hirshfeld Difference C4	--C9	.	0.17 Ang.
PLAT234_ALERT_4_C	Large Hirshfeld Difference C19	--C20	.	0.16 Ang.
PLAT234_ALERT_4_C	Large Hirshfeld Difference C20	--C21	.	0.17 Ang.
PLAT241_ALERT_2_C	High 'MainMol' Ueq as Compared to Neighbors of		C21	Check
PLAT242_ALERT_2_C	Low 'MainMol' Ueq as Compared to Neighbors of		C17	Check
PLAT906_ALERT_3_C	Large K Value in the Analysis of Variance		366.241	Check
PLAT906_ALERT_3_C	Large K Value in the Analysis of Variance		11.238	Check
PLAT906_ALERT_3_C	Large K Value in the Analysis of Variance		38.526	Check
PLAT906_ALERT_3_C	Large K Value in the Analysis of Variance		14.775	Check
PLAT906_ALERT_3_C	Large K Value in the Analysis of Variance		18.382	Check
PLAT906_ALERT_3_C	Large K Value in the Analysis of Variance		6.945	Check
PLAT906_ALERT_3_C	Large K Value in the Analysis of Variance		9.924	Check
PLAT906_ALERT_3_C	Large K Value in the Analysis of Variance		4.064	Check
PLAT906_ALERT_3_C	Large K Value in the Analysis of Variance		3.267	Check
PLAT906_ALERT_3_C	Large K Value in the Analysis of Variance		2.015	Check
PLAT911_ALERT_3_C	Missing FCF Refl Between Thmin & STh/L=	0.595		31 Report

 Alert level G

PLAT063_ALERT_4_G	Crystal Size Possibly too Large for Beam Size ..		0.80 mm	
PLAT066_ALERT_1_G	Predicted and Reported Tmin&Tmax Range Identical		? Check	
PLAT199_ALERT_1_G	Reported _cell_measurement_temperature	(K)	293	Check
PLAT200_ALERT_1_G	Reported _diffrn_ambient_temperature	(K)	293	Check
PLAT333_ALERT_2_G	Large Aver C6-Ring C-C Dist C4	-C9	.	1.42 Ang.
PLAT398_ALERT_2_G	Deviating C-O-C Angle From 120 for O2		.	103.8 Degree
PLAT793_ALERT_4_G	Model has Chirality at P1	(Centro SPGR)		S Verify
PLAT870_ALERT_4_G	ALERTS Related to Twinning Effects Suppressed ..		!	Info
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
PLAT930_ALERT_2_G	FCF-based Twin Law (0 2-1)	Est.d BASF	0.63	Check
PLAT931_ALERT_5_G	CIFcalcFCF Twin Law (0 2-1)	Est.d BASF	0.63	Check
PLAT933_ALERT_2_G	Number of HKL-OMIT Records in Embedded .res File		18	Note
PLAT941_ALERT_3_G	Average HKL Measurement Multiplicity		1.0	Low
PLAT967_ALERT_5_G	Note: Two-Theta Cutoff Value in Embedded .res ..		50.0	Degree

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

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

6 ALERT type 2 Indicator that the structure model may be wrong or deficient
15 ALERT type 3 Indicator that the structure quality may be low
6 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.

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