

# checkCIF/PLATON report

You have not supplied any structure factors. As a result the full set of tests cannot be run.

THIS REPORT IS FOR GUIDANCE ONLY. IF USED AS PART OF A REVIEW PROCEDURE FOR PUBLICATION, IT SHOULD NOT REPLACE THE EXPERTISE OF AN EXPERIENCED CRYSTALLOGRAPHIC REFEREE.

No syntax errors found.      CIF dictionary      Interpreting this report

## Datablock: I

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Bond precision:    C-C = 0.0153 A

Wavelength=1.54178

Cell:                a=16.7510(5)                b=17.2703(7)                c=18.8355(6)  
                      alpha=109.136(3)        beta=97.750(3)        gamma=108.799(3)  
Temperature:        123 K

	Calculated	Reported
Volume	4693.8(3)	4693.8(3)
Space group	P -1	P -1
Hall group	-P 1	-P 1
Moiety formula	2(C16 Al F36 O4), 2(C40 H60 Cu Mo4 P12), 5(C7 H8)	2(C40 H60 Cu Mo4 P12), 2(Al C16 F36 O4), 5(C7 H8)
Sum formula	C147 H160 Al2 Cu2 F72 Mo8 O8 P24	C147 H160 Al2 Cu2 F72 Mo8 O8 P24
Mr	5114.62	5114.58
Dx, g cm <sup>-3</sup>	1.809	1.809
Z	1	1
Mu (mm <sup>-1</sup> )	7.604	7.604
F000	2534.0	2534.0
F000'	2545.21	
h,k,lmax	21,21,23	20,21,23
Nref	19458	18870
Tmin,Tmax	0.453,0.566	0.759,1.000
Tmin'	0.283	

Correction method= # Reported T Limits: Tmin=0.759 Tmax=1.000  
AbsCorr = MULTI-SCAN

Data completeness= 0.970

Theta(max)= 75.433

R(reflections)= 0.0665( 16507)

wR2(reflections)= 0.1867( 18870)

S = 1.053

Npar= 1261

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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.



### Alert level B

PLAT220\_ALERT\_2\_B Large Non-Solvent F Ueq(max)/Ueq(min) Range 10.0 Ratio

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. The terminal fluorine atoms are strongly affected by this.**

PLAT230\_ALERT\_2\_B Hirshfeld Test Diff for F8 -- C44 .. 9.0 su

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. The terminal fluorine atoms are strongly affected by this.**

PLAT230\_ALERT\_2\_B Hirshfeld Test Diff for F18 -- C48 .. 18.5 su

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. The terminal fluorine atoms are strongly affected by this.**

PLAT230\_ALERT\_2\_B Hirshfeld Test Diff for C41 -- C42 .. 9.2 su

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. The terminal fluorine atoms are strongly affected by this.**

PLAT230\_ALERT\_2\_B Hirshfeld Test Diff for C45 -- C47 .. 8.6 su

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. The terminal fluorine atoms are strongly affected by this.**

PLAT241\_ALERT\_2\_B High Ueq as Compared to Neighbors for ..... C44 Check

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. C44 is part of a CF3 group.**

PLAT242\_ALERT\_2\_B Low Ueq as Compared to Neighbors for ..... C41 Check

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. C41 is a tertiary atom of a tert-butyl group.**

PLAT250\_ALERT\_2\_B Large U3/U1 Ratio for Average U(i,j) Tensor .... 5.1 Note  
PLAT332\_ALERT\_2\_B Large Phenyl C-C Range C64 -C69 0.28 Ang.

**Author Response: This is a free toluene molecule in the unit cell.**

PLAT362\_ALERT\_2\_B Short C(sp3)-C(sp2) Bond C57 - C63 .. 1.31 Ang.

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● **Alert level C**

PLAT213\_ALERT\_2\_C Atom F11 has ADP max/min Ratio ..... 3.2 prolat  
PLAT213\_ALERT\_2\_C Atom F50A has ADP max/min Ratio ..... 3.2 prolat  
PLAT213\_ALERT\_2\_C Atom F51A has ADP max/min Ratio ..... 3.1 prolat  
PLAT213\_ALERT\_2\_C Atom F51C has ADP max/min Ratio ..... 3.1 prolat  
PLAT213\_ALERT\_2\_C Atom F54C has ADP max/min Ratio ..... 4.0 prolat  
PLAT213\_ALERT\_2\_C Atom F55A has ADP max/min Ratio ..... 4.0 prolat  
PLAT213\_ALERT\_2\_C Atom F55C has ADP max/min Ratio ..... 3.1 oblate  
PLAT213\_ALERT\_2\_C Atom F56A has ADP max/min Ratio ..... 3.3 prolat  
PLAT213\_ALERT\_2\_C Atom F56C has ADP max/min Ratio ..... 3.3 prolat  
PLAT213\_ALERT\_2\_C Atom C44 has ADP max/min Ratio ..... 3.7 prolat  
PLAT213\_ALERT\_2\_C Atom C14 has ADP max/min Ratio ..... 3.1 prolat  
PLAT213\_ALERT\_2\_C Atom C18 has ADP max/min Ratio ..... 3.7 prolat  
PLAT213\_ALERT\_2\_C Atom C19 has ADP max/min Ratio ..... 3.3 prolat  
PLAT220\_ALERT\_2\_C Large Non-Solvent C Ueq(max)/Ueq(min) Range 4.8 Ratio

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. The terminal fluorine atoms are strongly affected by this.**

PLAT220\_ALERT\_2\_C Large Non-Solvent C Ueq(max)/Ueq(min) Range 5.4 Ratio

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. The terminal fluorine atoms are strongly affected by this.**

PLAT222\_ALERT\_3\_C Large Non-Solvent H Uiso(max)/Uiso(min) ... 4.2 Ratio  
PLAT230\_ALERT\_2\_C Hirshfeld Test Diff for F1 -- C42 .. 6.8 su

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. The terminal fluorine atoms are strongly affected by this.**

PLAT230\_ALERT\_2\_C Hirshfeld Test Diff for F4 -- C43 .. 6.8 su

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. The terminal fluorine atoms are strongly affected by this.**

PLAT230\_ALERT\_2\_C Hirshfeld Test Diff for F11 -- C46 .. 5.1 su

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. The terminal fluorine atoms are strongly affected by this.**

PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	F3	--	C42	..	0.18	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	F6	--	C43	..	0.18	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	F13	--	C47	..	0.18	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	F14	--	C47	..	0.17	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	F16	--	C48	..	0.17	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	F50C	--	C50	..	0.23	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	F51A	--	C51	..	0.18	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	F51B	--	C51	..	0.20	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	F51C	--	C51	..	0.22	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	F52C	--	C52	..	0.18	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	F54A	--	C54	..	0.22	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	F55B	--	C55	..	0.24	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	F55C	--	C55	..	0.16	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	F56B	--	C56	..	0.25	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	C41	--	C44	..	0.24	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	C45	--	C48	..	0.20	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	C53	--	C56	..	0.19	Ang.
PLAT234_ALERT_4_C	Large	Hirshfeld	Difference	C13	--	C14	..	0.19	Ang.
PLAT241_ALERT_2_C	High		Ueq as Compared to Neighbors for	.....				01	Check

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. C44 is part of a CF3 group.**

PLAT241_ALERT_2_C	High		Ueq as Compared to Neighbors for	.....				02	Check
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**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. C44 is part of a CF3 group.**

PLAT241_ALERT_2_C	High		Ueq as Compared to Neighbors for	.....				03	Check
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**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. C44 is part of a CF3 group.**

PLAT241_ALERT_2_C	High		Ueq as Compared to Neighbors for	.....				C48	Check
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**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. C44 is part of a CF3 group.**

PLAT242_ALERT_2_C	Low		Ueq as Compared to Neighbors for	.....				All	Check
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**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. C41 is a tertiary atom of a tert-butyl group.**

PLAT242_ALERT_2_C	Low		Ueq as Compared to Neighbors for	.....				C45	Check
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**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. C41 is a tertiary atom of a tert-butyl group.**

PLAT242\_ALERT\_2\_C Low Ueq as Compared to Neighbors for ..... C49 Check

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. C41 is a tertiary atom of a tert-butyl group.**

PLAT242\_ALERT\_2\_C Low Ueq as Compared to Neighbors for ..... C53 Check

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. C41 is a tertiary atom of a tert-butyl group.**

PLAT243\_ALERT\_4\_C High 'Solvent' Ueq as Compared to Neighbors of C57 Check  
PLAT243\_ALERT\_4\_C High 'Solvent' Ueq as Compared to Neighbors of C59 Check  
PLAT243\_ALERT\_4\_C High 'Solvent' Ueq as Compared to Neighbors of C65 Check  
PLAT243\_ALERT\_4\_C High 'Solvent' Ueq as Compared to Neighbors of C69 Check  
PLAT244\_ALERT\_4\_C Low 'Solvent' Ueq as Compared to Neighbors of C58 Check  
PLAT244\_ALERT\_4\_C Low 'Solvent' Ueq as Compared to Neighbors of C61 Check  
PLAT244\_ALERT\_4\_C Low 'Solvent' Ueq as Compared to Neighbors of C64 Check  
PLAT244\_ALERT\_4\_C Low 'Solvent' Ueq as Compared to Neighbors of C67 Check  
PLAT342\_ALERT\_3\_C Low Bond Precision on C-C Bonds ..... 0.0153 Ang.  
PLAT368\_ALERT\_2\_C Short C(sp2)-C(sp2) Bond C66 - C67 ... 1.20 Ang.  
PLAT368\_ALERT\_2\_C Short C(sp2)-C(sp2) Bond C67 - C68 ... 1.22 Ang.  
PLAT411\_ALERT\_2\_C Short Inter H...H Contact H62 .. H93 .. 2.02 Ang.

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● **Alert level G**

PLAT002\_ALERT\_2\_G Number of Distance or Angle Restraints on AtSite 54 Note  
PLAT003\_ALERT\_2\_G Number of Uiso or Uij Restrained non-H Atoms ... 13 Report  
PLAT042\_ALERT\_1\_G Calc. and Reported MoietyFormula Strings Differ Please Check  
PLAT072\_ALERT\_2\_G SHELXL First Parameter in WGHT Unusually Large. 0.11 Report  
PLAT083\_ALERT\_2\_G SHELXL Second Parameter in WGHT Unusually Large. 17.28 Why ?  
PLAT154\_ALERT\_1\_G The su's on the Cell Angles are Equal ..... 0.00300 Degree  
PLAT171\_ALERT\_4\_G The CIF-Embedded .res File Contains EADP Records 1 Report  
PLAT172\_ALERT\_4\_G The CIF-Embedded .res File Contains DFIX Records 14 Report  
PLAT175\_ALERT\_4\_G The CIF-Embedded .res File Contains SAME Records 2 Report  
PLAT176\_ALERT\_4\_G The CIF-Embedded .res File Contains SADI Records 7 Report  
PLAT177\_ALERT\_4\_G The CIF-Embedded .res File Contains DELU Records 2 Report  
PLAT178\_ALERT\_4\_G The CIF-Embedded .res File Contains SIMU Records 5 Report  
PLAT230\_ALERT\_2\_G Hirshfeld Test Diff for F50A -- C50 .. 6.0 su

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. The terminal fluorine atoms are strongly affected by this.**

PLAT230\_ALERT\_2\_G Hirshfeld Test Diff for F52B -- C52 .. 8.9 su

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. The terminal fluorine atoms are strongly affected by this.**

PLAT230\_ALERT\_2\_G Hirshfeld Test Diff for F54B -- C54 .. 6.7 su

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. The terminal fluorine atoms are strongly affected by this.**

PLAT230\_ALERT\_2\_G Hirshfeld Test Diff for F55A -- C55 .. 5.9 su

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. The terminal fluorine atoms are strongly affected by this.**

PLAT230\_ALERT\_2\_G Hirshfeld Test Diff for F56A -- C56 .. 8.8 su

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. The terminal fluorine atoms are strongly affected by this.**

PLAT230\_ALERT\_2\_G Hirshfeld Test Diff for C49 -- C51 .. 5.9 su

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. The terminal fluorine atoms are strongly affected by this.**

PLAT230\_ALERT\_2\_G Hirshfeld Test Diff for C49 -- C52 .. 7.2 su

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. The terminal fluorine atoms are strongly affected by this.**

PLAT232\_ALERT\_2\_G Hirshfeld Test Diff (M-X) Mo2 -- P6 .. 5.5 su  
PLAT232\_ALERT\_2\_G Hirshfeld Test Diff (M-X) Mo3 -- P9 .. 5.6 su  
PLAT232\_ALERT\_2\_G Hirshfeld Test Diff (M-X) Mo3 -- P12 .. 6.0 su  
PLAT232\_ALERT\_2\_G Hirshfeld Test Diff (M-X) Mo4 -- P8 .. 6.3 su  
PLAT232\_ALERT\_2\_G Hirshfeld Test Diff (M-X) Mo4 -- P10 .. 5.3 su  
PLAT232\_ALERT\_2\_G Hirshfeld Test Diff (M-X) Mo4 -- P11 .. 5.7 su  
PLAT242\_ALERT\_2\_G Low Ueq as Compared to Neighbors for ..... C42 Check

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. C41 is a tertiary atom of a tert-butyl group.**

PLAT242\_ALERT\_2\_G Low Ueq as Compared to Neighbors for ..... C46 Check

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. C41 is a tertiary atom of a tert-butyl group.**

PLAT242\_ALERT\_2\_G Low Ueq as Compared to Neighbors for ..... C47 Check

**Author Response: The weakly coordinating aluminate anion shows heavy disorder and thermal motion. C41 is a tertiary atom of a tert-butyl group.**



PLAT300_ALERT_4_G	Atom Site Occupancy of *H96C is Constrained at	0.500	Check
PLAT301_ALERT_3_G	Main Residue Disorder ..... Percentage =	21	Note
PLAT302_ALERT_4_G	Anion/Solvent Disorder ..... Percentage =	20	Note
PLAT304_ALERT_4_G	Non-Integer Number of Atoms ( 7.50) in Resd. #	5	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C6	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C7	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C8	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C9	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C10	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C16	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C17	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C18	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C19	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C20	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C26	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C27	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C28	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C29	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C30	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C36	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C37	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C38	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C39	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C40	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C63	Check
PLAT380_ALERT_4_G	Incorrectly? Oriented X(sp2)-Methyl Moiety .....	C70	Check
PLAT434_ALERT_2_G	Short Inter HL..HL Contact F2 .. F56C ..	2.68	Ang.
PLAT434_ALERT_2_G	Short Inter HL..HL Contact F4 .. F56C ..	2.79	Ang.
PLAT434_ALERT_2_G	Short Inter HL..HL Contact F11 .. F50C ..	2.72	Ang.
PLAT789_ALERT_4_G	Atoms with Negative _atom_site_disorder_group #	15	Check
PLAT790_ALERT_4_G	Centre of Gravity not Within Unit Cell: Resd. #	2	Note
	C40 H60 Cu Mo4 P12		
PLAT860_ALERT_3_G	Number of Least-Squares Restraints .....	241	Note

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

2 **ALERT type 1** CIF construction/syntax error, inconsistent or missing data  
62 **ALERT type 2** Indicator that the structure model may be wrong or deficient  
4 **ALERT type 3** Indicator that the structure quality may be low  
121 **ALERT type 4** Improvement, methodology, query or suggestion  
0 **ALERT type 5** Informative message, check

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## checkCIF publication errors

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### Alert level A

PUBL002\_ALERT\_1\_A The contact author's address is missing,  
\_publ\_contact\_author\_address.

PUBL005\_ALERT\_1\_A \_publ\_contact\_author\_email, \_publ\_contact\_author\_fax and  
\_publ\_contact\_author\_phone are all missing.

At least one of these should be present.

PUBL006\_ALERT\_1\_A \_publ\_requested\_journal is missing  
e.g. 'Acta Crystallographica Section C'

PUBL008\_ALERT\_1\_A \_publ\_section\_title is missing. Title of paper.

PUBL009\_ALERT\_1\_A \_publ\_author\_name is missing. List of author(s) name(s).

PUBL010\_ALERT\_1\_A \_publ\_author\_address is missing. Author(s) address(es).  
PUBL012\_ALERT\_1\_A \_publ\_section\_abstract is missing.  
Abstract of paper in English.

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7 **ALERT level A** = Data missing that is essential or data in wrong format  
0 **ALERT level G** = General alerts. Data that may be required is missing

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## Publication of your CIF

You should 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 nature of your study may justify the reported deviations from journal submission requirements and the more serious of these should 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.

If level A alerts remain, which you believe to be justified deviations, and you intend to submit this CIF for publication in a journal, you should additionally insert an explanation in your CIF using the Validation Reply Form (VRF) below. This will allow your explanation to be considered as part of the review process.

## Validation response form

Please find below a validation response form (VRF) that can be filled in and pasted into your CIF.

```
# start Validation Reply Form
_vrf_PUBL002_GLOBAL
;
PROBLEM: The contact author's address is missing,
RESPONSE: ...
;
_vrf_PUBL005_GLOBAL
;
PROBLEM: _publ_contact_author_email, _publ_contact_author_fax and
RESPONSE: ...
;
_vrf_PUBL006_GLOBAL
;
PROBLEM: _publ_requested_journal is missing
RESPONSE: ...
;
_vrf_PUBL008_GLOBAL
;
PROBLEM: _publ_section_title is missing. Title of paper.
RESPONSE: ...
;
_vrf_PUBL009_GLOBAL
;
PROBLEM: _publ_author_name is missing. List of author(s) name(s).
RESPONSE: ...
```

```

;
_vrf_PUBL010_GLOBAL
;
PROBLEM: _publ_author_address is missing. Author(s) address(es).
RESPONSE: ...
;
_vrf_PUBL012_GLOBAL
;
PROBLEM: _publ_section_abstract is missing.
RESPONSE: ...
;
# end Validation Reply Form

```

If you wish to submit your CIF for publication in Acta Crystallographica Section C or E, you should upload your CIF via the web. If your CIF is to form part of a submission to another IUCr journal, you will be asked, either during electronic submission or by the Co-editor handling your paper, to upload your CIF via our web site.

**PLATON version of 21/06/2015; check.def file version of 21/06/2015**

Datablock I - ellipsoid plot

