

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: Ni

Bond precision:	C-C = 0.0040 A	Wavelength=0.71073
Cell:	a=18.1273(5)	b=16.7829(5) c=7.7459(2)
	alpha=90	beta=93.440(3) gamma=90
Temperature:	293 K	
	Calculated	Reported
Volume	2352.28(11)	2352.28(11)
Space group	P 21/c	P2(1)/c
Hall group	-P 2ybc	?
Moiety formula	C19 H25 Mn N9 Ni, 2(H2 O)	C19 H25 Mn N9 Ni, 2(H2 O)
Sum formula	C19 H29 Mn N9 Ni O2	C19 H29 Mn N9 Ni O2
Mr	529.14	529.16
Dx,g cm-3	1.494	1.494
Z	4	4
Mu (mm-1)	1.372	1.372
F000	1100.0	1100.0
F000'	1102.94	
h,k,lmax	21,19,9	21,19,9
Nref	4134	4099
Tmin,Tmax	0.739,0.814	0.743,0.821
Tmin'	0.722	

Correction method= # Reported T Limits: Tmin=0.743 Tmax=0.821
AbsCorr = MULTI-SCAN

Data completeness= 0.992 Theta(max)= 25.000

R(reflections)= 0.0350(3326) wR2(reflections)= 0.0834(4099)

S = 1.038 Npar= 296

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 G

PLAT004_ALERT_5_G	Polymeric Structure Found with Maximum Dimension	1	Info
PLAT005_ALERT_5_G	No Embedded Refinement Details found in the CIF	Please	Do !
PLAT007_ALERT_5_G	Number of Unrefined Donor-H Atoms	6	Report
PLAT093_ALERT_1_G	No s.u.'s on H-positions, Refinement Reported as	mixed	Check
PLAT199_ALERT_1_G	Reported _cell_measurement_temperature (K)	293	Check
PLAT200_ALERT_1_G	Reported _diffrn_ambient_temperature (K)	293	Check
PLAT230_ALERT_2_G	Hirshfeld Test Diff for N1 -- C1 ..	5.5	s.u.
PLAT232_ALERT_2_G	Hirshfeld Test Diff (M-X) Ni1 -- C1 ..	9.1	s.u.
PLAT232_ALERT_2_G	Hirshfeld Test Diff (M-X) Ni1 -- C3 ..	7.1	s.u.
PLAT232_ALERT_2_G	Hirshfeld Test Diff (M-X) Ni2 -- C2 ..	6.0	s.u.
PLAT232_ALERT_2_G	Hirshfeld Test Diff (M-X) Ni2 -- C4 ..	7.5	s.u.
PLAT793_ALERT_4_G	The Model has Chirality at N5 (Centro SPGR)	R	Verify
PLAT793_ALERT_4_G	The Model has Chirality at N6 (Centro SPGR)	R	Verify
PLAT899_ALERT_4_G	SHELXL97 is Deprecated and Succeeded by SHELXL	2014	Note

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- 0 **ALERT level A** = Most likely a serious problem - resolve or explain
0 **ALERT level B** = A potentially serious problem, consider carefully
0 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight
14 **ALERT level G** = General information/check it is not something unexpected
- 3 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
0 ALERT type 3 Indicator that the structure quality may be low
3 ALERT type 4 Improvement, methodology, query or suggestion
3 ALERT type 5 Informative message, check
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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.

Datablock Ni - ellipsoid plot

