

checkCIF/PLATON report

Structure factors have been supplied for datablock(s) 1

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: 1

Bond precision:	C-C = 0.0024 A	Wavelength=1.54187	
Cell:	a=15.552(7)	b=4.355(2)	c=16.234(7)
	alpha=90	beta=107.410(11)	gamma=90
Temperature:	125 K		
	Calculated	Reported	
Volume	1049.1(8)	1049.1(8)	
Space group	P 21/n	P 1 21/n 1	
Hall group	-P 2yn	-P 2yn	
Moiety formula	C10 H13 N O4	C10 H13 N O4	
Sum formula	C10 H13 N O4	C10 H13 N O4	
Mr	211.21	211.22	
Dx,g cm-3	1.337	1.337	
Z	4	4	
Mu (mm-1)	0.876	0.878	
F000	448.0	448.0	
F000'	449.57		
h,k,lmax	18,5,19	18,5,19	
Nref	1925	1916	
Tmin,Tmax	0.969,0.991	0.377,0.991	
Tmin'	0.900		

Correction method= # Reported T Limits: Tmin=0.377 Tmax=0.991
AbsCorr = MULTI-SCAN

Data completeness= 0.995 Theta(max)= 68.161

R(reflections)= 0.0607(1656) wR2(reflections)= 0.1519(1916)

S = 0.963 Npar= 142

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

PLAT911_ALERT_3_C Missing FCF Refl Between Thmin & STh/L= 0.600 5 Report



Alert level G

PLAT072_ALERT_2_G SHELXL First Parameter in WGHT Unusually Large 0.11 Report
 PLAT882_ALERT_1_G No Datum for _diffrn_reflms_av_unetI/netI Please Do !
 PLAT909_ALERT_3_G Percentage of I>2sig(I) Data at Theta(Max) Still 73% Note
 PLAT912_ALERT_4_G Missing # of FCF Reflections Above STh/L= 0.600 4 Note
 PLAT978_ALERT_2_G Number C-C Bonds with Positive Residual Density. 1 Info

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

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

