

checkCIF (basic structural check) running

Checking for embedded fcf data in CIF ...

Found embedded fcf data in CIF. Extracting fcf data from uploaded CIF, please wait

checkCIF/PLATON (basic structural check)

Structure factors have been supplied for datablock(s) ma36

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.

Please wait while processing

[CIF dictionary](#)

[Interpreting this report](#)

[Structure factor report](#)

Datablock: ma36

Bond precision:	C-C = 0.0034 A	Wavelength=0.71073
Cell:	a=9.3400(7) b=9.8923(10) c=22.655(3)	
	alpha=90 beta=90 gamma=90	
Temperature:	173 K	
	Calculated	Reported
Volume	2093.2(4)	2093.2(4)
Space group	P b c a	P b c a
Hall group	-P 2ac 2ab	-P 2ac 2ab
Moiety formula	C11 H11 N O3	C11 H11 N O3
Sum formula	C11 H11 N O3	C11 H11 N O3
Mr	205.21	205.21
Dx, g cm ⁻³	1.302	1.302
Z	8	8
Mu (mm ⁻¹)	0.096	0.096
F000	864.0	864.0
F000'	864.46	
h,k,lmax	11,11,27	11,11,27
Nref	1942	1912
Tmin,Tmax	0.978,0.989	0.800,1.000
Tmin'	0.975	
Correction method=	# Reported T Limits: Tmin=0.800 Tmax=1.000	
AbsCorr =	MULTI-SCAN	
Data completeness=	0.985 Theta(max)= 25.487	
R(reflections)=	0.0540(1421) wR2(reflections)= 0.1412(1912)	
S =	0.985 Npar= 141	

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

PLAT242_ALERT_2_C Low 'MainMol' Ueq as Compared to Neighbors of C4 Check
 PLAT906_ALERT_3_C Large K Value in the Analysis of Variance 8.890 Check
 PLAT906_ALERT_3_C Large K Value in the Analysis of Variance 2.077 Check
 PLAT911_ALERT_3_C Missing FCF Refl Between Thmin & STh/L= 0.600 7 Report

Alert level G

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). 1 Note
 PLAT912_ALERT_4_G Missing # of FCF Reflections Above STh/L= 0.600 23 Note
 PLAT913_ALERT_3_G Missing # of Very Strong Reflections in FCF 1 Note
 PLAT941_ALERT_3_G Average HKL Measurement Multiplicity 2.6 Low
 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
 4 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight
 6 **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
 6 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 structural 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

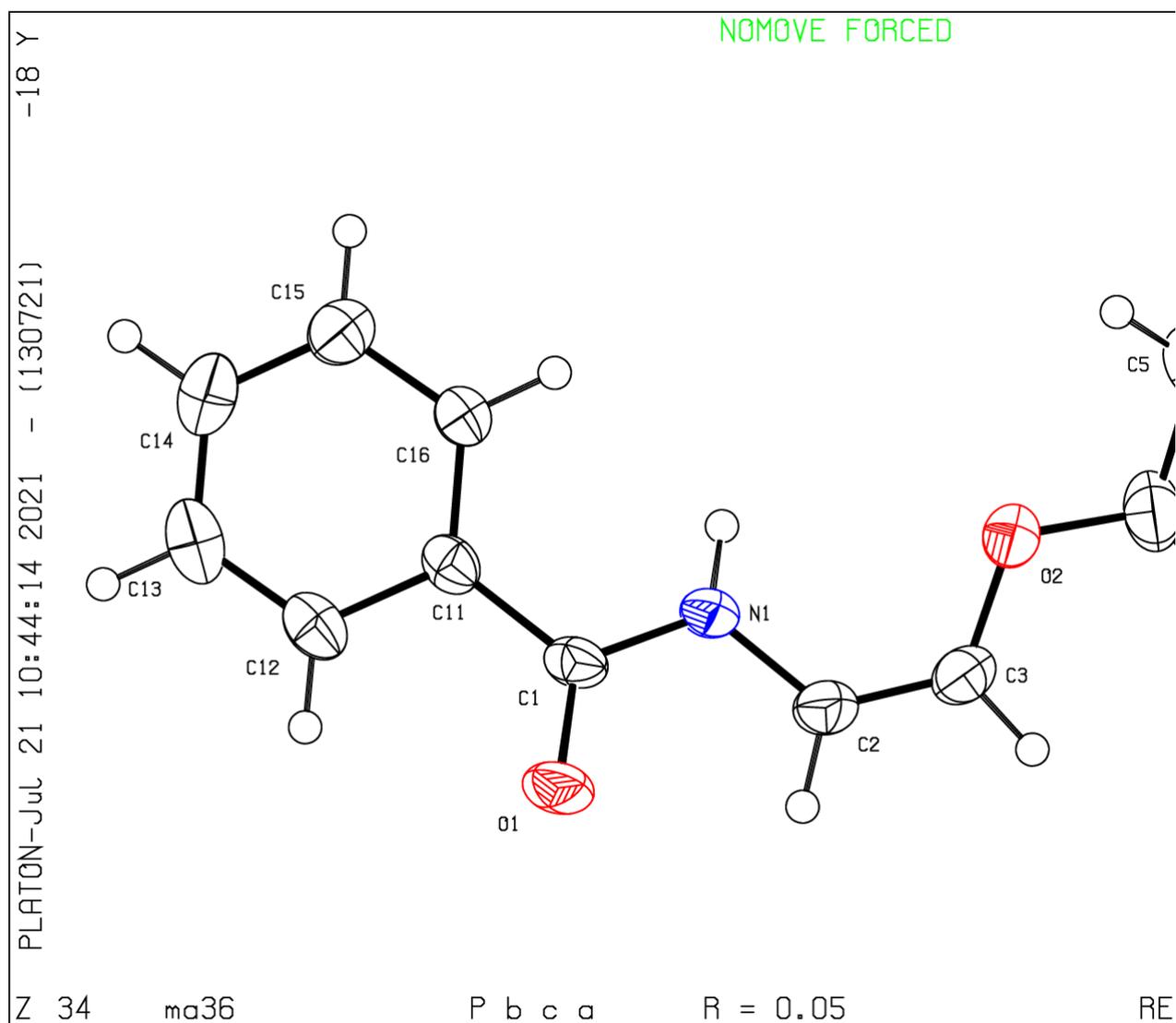
A basic structural check has been run on your CIF. These basic checks will be run on all CIFs submitted for publication in IUCr journals (*Acta Crystallographica*, *Journal of Applied Crystallography*, *Journal of Synchrotron Radiation*); however, if you intend to submit to *Acta Crystallographica Section 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.

PLATON version of 13/07/2021; check.def file version of 13/07/2021

Datablock ma36 - ellipsoid plot



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