

Bond precision:	C-C = 0.0084 Å	Wavelength=0.71073	
Cell:	a=11.7029 (8)	b=17.5396 (13)	c=15.4949 (16)
	alpha=90	beta=96.500 (2)	gamma=90
Temperature:	308 K		
	Calculated	Reported	
Volume	3160.1 (5)	3160.1 (5)	
Space group	I 2/c	I2/c	
Hall group	-I 2yc	-I2yc	
Moiety formula	C24 H20 Cu F6 N8 Si [+ solvent]	?	
Sum formula	C24 H20 Cu F6 N8 Si [+ solvent]	C24 H20 Cu F6 N8 Si	
Mr	626.12	626.11	
Dx, g cm-3	1.316	1.316	
Z	4	4	
Mu (mm-1)	0.790	0.790	
F000	1268.0	1268.0	
F000'	1270.21		
h,k,lmax	13,20,18	13,20,18	
Nref	2793	2793	
Tmin,Tmax	0.888,0.910		
Tmin'	0.888		
Correction method= Not given			
Data completeness= 1.000		Theta(max)= 25.048	
R(reflections)= 0.0766 (2369)		wR2(reflections)= 0.2060 (2793)	
S = 1.056	Npar= 184		

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

PLAT242_ALERT_2_B	Low	'MainMol' Ueq as Compared to Neighbors of	Si1	Check
PLAT990_ALERT_1_B	Deprecated	.res/.hkl Input Style SQUEEZE Job ...	!	Note



Alert level C

PLAT052_ALERT_1_C	Info on Absorption Correction Method	Not Given	Please	Do !
PLAT241_ALERT_2_C	High	'MainMol' Ueq as Compared to Neighbors of	F1	Check
PLAT334_ALERT_2_C	Small <C-C> Benzene Dist.	C10 -C12_a	1.37	Ang.
PLAT341_ALERT_3_C	Low Bond Precision on	C-C Bonds	0.00838	Ang.



Alert level G

PLAT003_ALERT_2_G	Number of Uiso or Uij Restrained non-H Atoms ...	22	Report
PLAT004_ALERT_5_G	Polymeric Structure Found with Maximum Dimension	3	Info
PLAT083_ALERT_2_G	SHELXL Second Parameter in WGHT Unusually Large	24.86	Why ?
PLAT177_ALERT_4_G	The CIF-Embedded .res File Contains DELU Records	1	Report
PLAT178_ALERT_4_G	The CIF-Embedded .res File Contains SIMU Records	1	Report
PLAT186_ALERT_4_G	The CIF-Embedded .res File Contains ISOR Records	1	Report
PLAT605_ALERT_4_G	Largest Solvent Accessible VOID in the Structure	454	A**3
PLAT794_ALERT_5_G	Tentative Bond Valency for Cu1 (II)	2.18	Info
PLAT860_ALERT_3_G	Number of Least-Squares Restraints	309	Note
PLAT869_ALERT_4_G	ALERTS Related to the Use of SQUEEZE Suppressed	!	Info
PLAT883_ALERT_1_G	No Info/Value for _atom_sites_solution_primary	Please	Do !
PLAT965_ALERT_2_G	The SHELXL WEIGHT Optimisation has not Converged	Please	Check
PLAT967_ALERT_5_G	Note: Two-Theta Cutoff Value in Embedded .res ..	50.1	Degree

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

- 3 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
2 ALERT type 3 Indicator that the structure quality may be low
5 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.

