

checkCIF/PLATON report

Structure factors have been supplied for datablock(s) hasj220913a

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: hasj220913a

Bond precision: C-C = 0.0046 Å Wavelength=1.54184

Cell: a=19.4688 (3) b=22.1144 (3) c=45.7469 (5)
 alpha=90 beta=98.7055 (12) gamma=90

Temperature: 100 K

	Calculated	Reported
Volume	19469.0 (5)	19469.0 (4)
Space group	P 21/n	P 1 21/n 1
Hall group	-P 2yn	-P 2yn
Moiety formula	C43 H69 Mg N2, C12 H36 N2 Na3 Si4	C55 H105 Mg N4 Na3 Si4
Sum formula	C55 H105 Mg N4 Na3 Si4	C55 H105 Mg N4 Na3 Si4
Mr	1028.07	1028.06
Dx, g cm ⁻³	1.052	1.052
Z	12	12
Mu (mm ⁻¹)	1.394	1.394
F000	6768.0	6768.0
F000'	6799.23	
h, k, lmax	23, 26, 54	23, 26, 54
Nref	34771	34611
Tmin, Tmax	0.627, 0.913	0.262, 1.000
Tmin'	0.509	

Correction method= # Reported T Limits: Tmin=0.262 Tmax=1.000
AbsCorr = GAUSSIAN

Data completeness= 0.995 Theta(max)= 67.079

R(reflections)= 0.0736 (25418)

wR2(reflections)=
0.2166 (34611)

S = 1.022

Npar= 2241

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

PLAT042_ALERT_1_C	Calc. and Reported MoietyFormula Strings Differ	Please Check
Calc: C43 H69 Mg N2, C12 H36 N2 Na3 Si4		
Rep.: C55 H105 Mg N4 Na3 Si4		
PLAT241_ALERT_2_C	High 'MainMol' Ueq as Compared to Neighbors of	Na9 Check
PLAT241_ALERT_2_C	High 'MainMol' Ueq as Compared to Neighbors of	Na3 Check
PLAT242_ALERT_2_C	Low 'MainMol' Ueq as Compared to Neighbors of	Si5 Check
PLAT242_ALERT_2_C	Low 'MainMol' Ueq as Compared to Neighbors of	Si6 Check
PLAT242_ALERT_2_C	Low 'MainMol' Ueq as Compared to Neighbors of	Si10 Check
PLAT340_ALERT_3_C	Low Bond Precision on C-C Bonds	0.00459 Ang.
PLAT906_ALERT_3_C	Large K Value in the Analysis of Variance	5.379 Check
PLAT911_ALERT_3_C	Missing FCF Refl Between Thmin & STh/L= 0.597	157 Report
20 7 0, 16 16 0, 17 16 0, 18 16 0, 16 17 0, -23 0 1,		
17 4 1, 20 4 1, 18 6 1, -18 16 1, -17 16 1, -16 16 1,		
16 16 1, 17 16 1, -16 17 1, -15 17 1, 16 17 1, -18 3 2,		
-17 5 2, -20 11 2, -18 11 2, -18 16 2, -17 16 2, -16 16 2,		
17 16 2, -16 17 2, -15 17 2, -23 0 3, -18 8 3, -18 16 3,		
-17 16 3, -16 16 3, -15 16 3, 17 16 3, -16 17 3, -15 17 3,		
-14 17 3, -17 12 4, -18 16 4, -17 16 4, -16 16 4, -15 16 4,		
17 16 4, -16 17 4, -15 17 4, -14 17 4, -12 22 4, -23 0 5,		
-22 5 5, -21 9 5, -19 15 5, -18 16 5, -17 16 5, -16 17 5,		
-15 17 5, -14 17 5, -13 17 5, 12 22 5, -21 4 6, -20 7 6,		
18 15 6, -18 16 6, -16 17 6, -15 17 6, -14 17 6, -13 17 6,		
17 17 6, 14 20 6, 13 21 6, 11 22 6, 12 22 6, -11 23 6,		
-2 26 6, -23 0 7, -20 11 7, -18 16 7, -16 17 7, -15 17 7,		
16 18 7, 15 19 7, 14 20 7, 12 21 7, 13 21 7, 11 22 7,		
-19 10 8, -20 11 8, -17 14 8, 18 15 8, -18 16 8, 17 16 8,		
-16 17 8, 15 19 8, 14 20 8, 12 21 8, 13 21 8, 11 22 8,		



Alert level G

PLAT002_ALERT_2_G	Number of Distance or Angle Restraints on AtSite	72 Note
PLAT003_ALERT_2_G	Number of Uiso or U(i,j) Restrained non-H Atoms	68 Report
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	15.55 Why ?
PLAT176_ALERT_4_G	The CIF-Embedded .res File Contains SADI Records	6 Report
PLAT178_ALERT_4_G	The CIF-Embedded .res File Contains SIMU Records	7 Report
PLAT187_ALERT_4_G	The CIF-Embedded .res File Contains RIGU Records	2 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used	0.0200 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used	0.0200 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used	0.0200 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used	0.0300 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used	0.0200 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used	0.0200 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used	0.0200 Report
PLAT190_ALERT_3_G	A Non-default RIGU Restraint Value for First Par	0.0020 Report
PLAT190_ALERT_3_G	A Non-default RIGU Restraint Value for SecondPar	0.0020 Report
PLAT301_ALERT_3_G	Main Residue Disorder(Resd 1)	22% Note
PLAT301_ALERT_3_G	Main Residue Disorder(Resd 2)	11% Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 4)	38% Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd 5)	43% Note

PLAT410_ALERT_2_G Short Intra H...H Contact	H14	..H19A	.	2.08 Ang.
		x,y,z =	1_555	Check
PLAT410_ALERT_2_G Short Intra H...H Contact	H16	..H26A	.	2.12 Ang.
		x,y,z =	1_555	Check
PLAT412_ALERT_2_G Short Intra XH3 .. XHn	H5A	..H24A	.	2.07 Ang.
		x,y,z =	1_555	Check
PLAT412_ALERT_2_G Short Intra XH3 .. XHn	H6A	..H18A	.	2.08 Ang.
		x,y,z =	1_555	Check
PLAT412_ALERT_2_G Short Intra XH3 .. XHn	H7C	..H24A	.	1.99 Ang.
		x,y,z =	1_555	Check
PLAT412_ALERT_2_G Short Intra XH3 .. XHn	H64A	..H92B	.	2.09 Ang.
		x,y,z =	1_555	Check
PLAT412_ALERT_2_G Short Intra XH3 .. XHn	H66C	..H92B	.	2.14 Ang.
		x,y,z =	1_555	Check
PLAT412_ALERT_2_G Short Intra XH3 .. XHn	H99A	..H17P	.	2.08 Ang.
		x,y,z =	1_555	Check
PLAT720_ALERT_4_G Number of Unusual/Non-Standard Labels				7 Note
	H1AA	H1AH	H1AI	H1AF
		H1AG	H1AB	H1AC
PLAT860_ALERT_3_G Number of Least-Squares Restraints				2305 Note
PLAT909_ALERT_3_G Percentage of I>2sig(I) Data at Theta(Max) Still				61% Note
PLAT910_ALERT_3_G Missing # of FCF Reflection(s) Below Theta(Min).				3 Note
	-1	0	1,	0
		0	1	1,
			0	0
				2,
PLAT941_ALERT_3_G Average HKL Measurement Multiplicity				3.1 Low
PLAT969_ALERT_5_G The 'Henn et al.' R-Factor-gap value				3.018 Note
	Predicted wR2:	Based on SigI**2	7.18	or SHELX Weight
			21.20	
PLAT978_ALERT_2_G Number C-C Bonds with Positive Residual Density.				0 Info
PLAT992_ALERT_5_G Repd & Actual _reflns_number_gt Values Differ by				2 Check

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

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

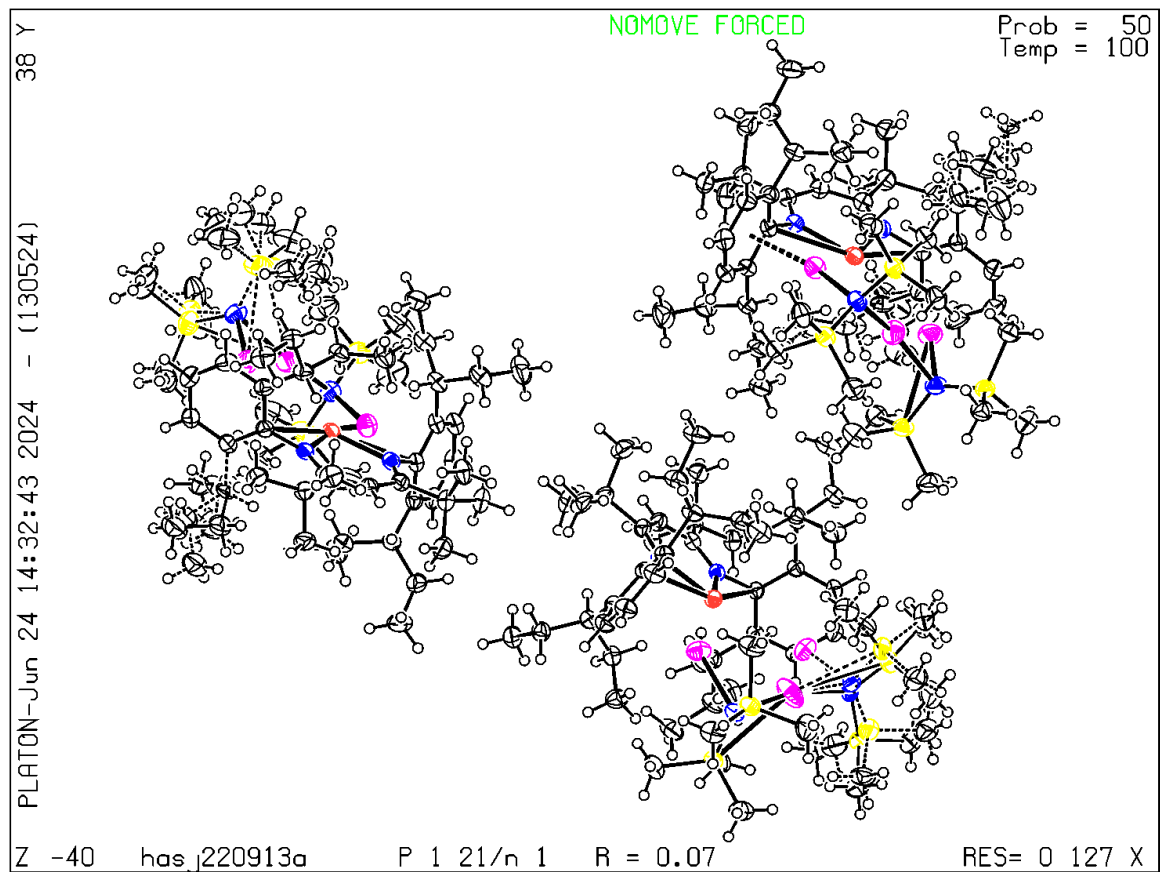
It is advisable to attempt to resolve as many as possible of the alerts in all categories. Often the minor alerts point to easily fixed oversights, errors and omissions in your CIF or refinement strategy, so attention to these fine details can be worthwhile. In order to resolve some of the more serious 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.



checkCIF/PLATON report

Structure factors have been supplied for datablock(s) hasj220919a

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No syntax errors found. CIF dictionary Interpreting this report

Datablock: hasj220919a

Bond precision:	C-C = 0.0059 Å	Wavelength=1.54184	
Cell:	a=20.4668 (2)	b=14.4504 (2)	c=21.7229 (3)
	alpha=90	beta=90	gamma=90
Temperature:	100 K		
	Calculated	Reported	
Volume	6424.62 (14)	6424.62 (14)	
Space group	P c a 21	P c a 21	
Hall group	P 2c -2ac	P 2c -2ac	
Moiety formula	C55 H105 Mg N4 Na3 O Si4	C55 H105 Mg N4 Na3 O Si4	
Sum formula	C55 H105 Mg N4 Na3 O Si4	C55 H105 Mg N4 Na3 O Si4	
Mr	1044.07	1044.06	
Dx, g cm ⁻³	1.079	1.079	
Z	4	4	
Mu (mm ⁻¹)	1.427	1.427	
F000	2288.0	2288.0	
F000'	2298.61		
h,k,lmax	25,17,26	25,17,26	
Nref	12765[6563]	10974	
Tmin,Tmax	0.850,0.895	0.841,1.000	
Tmin'	0.806		

Correction method= # Reported T Limits: Tmin=0.841 Tmax=1.000
AbsCorr = GAUSSIAN

Data completeness= 1.67/0.86 Theta(max)= 72.695

R(reflections)= 0.0432(10231)

wR2(reflections)=
0.1189(10974)

S = 1.038

Npar= 778

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

PLAT094_ALERT_2_C	Ratio of Maximum / Minimum Residual Density	2.13	Report
PLAT220_ALERT_2_C	NonSolvent Resd 1 C Ueq(max)/Ueq(min) Range	4.1	Ratio
PLAT242_ALERT_2_C	Low 'MainMol' Ueq as Compared to Neighbors of	Si1	Check
PLAT242_ALERT_2_C	Low 'MainMol' Ueq as Compared to Neighbors of	Si2	Check
PLAT340_ALERT_3_C	Low Bond Precision on C-C Bonds	0.0059	Ang.
PLAT911_ALERT_3_C	Missing FCF Refl Between Thmin & STh/L= 0.600	4	Report
	11 15 0, 12 15 0, 0 3 4, 12 10 17,		



Alert level G

PLAT002_ALERT_2_G	Number of Distance or Angle Restraints on AtSite	28	Note
PLAT003_ALERT_2_G	Number of Uiso or U(i,j) Restrained non-H Atoms	17	Report
PLAT176_ALERT_4_G	The CIF-Embedded .res File Contains SADI Records	4	Report
PLAT178_ALERT_4_G	The CIF-Embedded .res File Contains SIMU Records	1	Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used	0.0200	Report
PLAT230_ALERT_2_G	Hirshfeld Test Diff for C21 --C22 .	6.8	s.u.
PLAT301_ALERT_3_G	Main Residue Disorder(Resd 1)	21%	Note
PLAT303_ALERT_2_G	Full Occupancy Atom H42B with # Connections	2.00	Check
PLAT410_ALERT_2_G	Short Intra H...H Contact H14 ..H21B .	2.14	Ang.
	x,y,z = 1_555	Check	
PLAT410_ALERT_2_G	Short Intra H...H Contact H14 ..H21D .	2.14	Ang.
	x,y,z = 1_555	Check	
PLAT410_ALERT_2_G	Short Intra H...H Contact H19A ..H21C .	2.13	Ang.
	x,y,z = 1_555	Check	
PLAT412_ALERT_2_G	Short Intra XH3 .. XHn H18 ..H22F .	1.90	Ang.
	x,y,z = 1_555	Check	
PLAT412_ALERT_2_G	Short Intra XH3 .. XHn H49A ..H46F .	1.91	Ang.
	x,y,z = 1_555	Check	
PLAT432_ALERT_2_G	Short Inter X...Y Contact C22 ..C41 .	3.16	Ang.
	1-x,-y,-1/2+z = 2_654	Check	
PLAT792_ALERT_1_G	Model has Chirality at C18 (Polar SpGr)	S	Verify
PLAT860_ALERT_3_G	Number of Least-Squares Restraints	762	Note
PLAT912_ALERT_4_G	Missing # of FCF Reflections Above STh/L= 0.600	102	Note
PLAT915_ALERT_3_G	No Flack x Check Done: Low Friedel Pair Coverage	73	%
PLAT933_ALERT_2_G	Number of HKL-OMIT Records in Embedded .res File	2	Note
	10 13 11, 18 6-14,		
PLAT941_ALERT_3_G	Average HKL Measurement Multiplicity	4.6	Low
PLAT969_ALERT_5_G	The 'Henn et al.' R-Factor-gap value	3.468	Note
	Predicted wR2: Based on SigI**2 3.43 or SHELX Weight 11.45		
PLAT978_ALERT_2_G	Number C-C Bonds with Positive Residual Density.	1	Info

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0 **ALERT level B** = A potentially serious problem, consider carefully

6 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight

22 **ALERT level G** = General information/check it is not something unexpected

1 ALERT type 1 CIF construction/syntax error, inconsistent or missing data

16 ALERT type 2 Indicator that the structure model may be wrong or deficient
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1 ALERT type 5 Informative message, check

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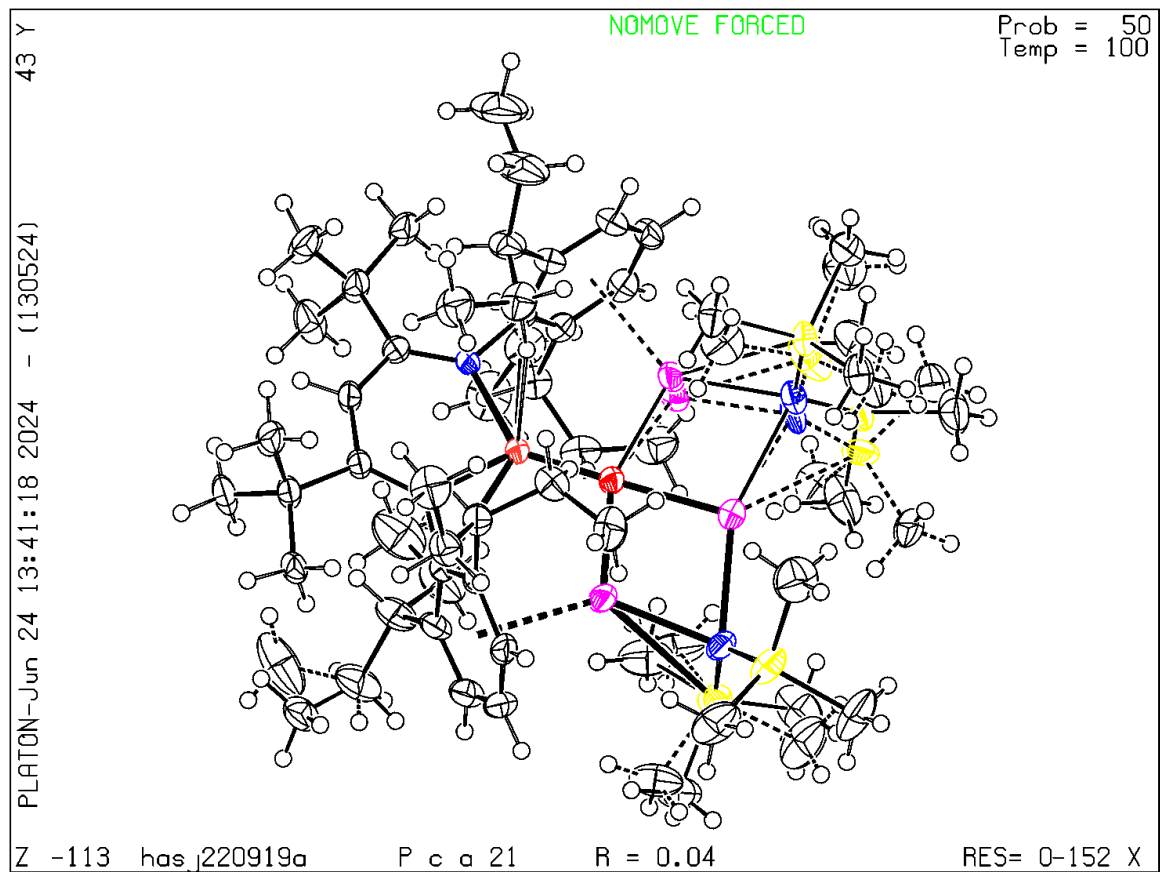
Publication of your CIF in IUCr journals

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 13/05/2024; check.def file version of 04/05/2024



checkCIF/PLATON report

Structure factors have been supplied for datablock(s) hasj220203b

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No syntax errors found. CIF dictionary Interpreting this report

Datablock: hasj220203b

Bond precision:	C-C = 0.0024 Å	Wavelength=1.54184
Cell:	a=12.1701(4)	b=12.4334(3) c=18.6675(5)
	alpha=79.887(2)	beta=75.914(3) gamma=63.312(3)
Temperature:	100 K	
	Calculated	Reported
Volume	2440.70(14)	2440.70(14)
Space group	P -1	P -1
Hall group	-P 1	-P 1
Moiety formula	C86 H138 Mg2 N4 Na2 O2, 3(C7 H8)	C86 H138 Mg2 N4 Na2 O2, 3(C7 H8)
Sum formula	C107 H162 Mg2 N4 Na2 O2	C107 H162 Mg2 N4 Na2 O2
Mr	1631.01	1631.00
Dx, g cm ⁻³	1.110	1.110
Z	1	1
Mu (mm ⁻¹)	0.677	0.677
F000	894.0	894.0
F000'	896.62	
h,k,lmax	15,15,23	15,15,23
Nref	9693	9409
Tmin,Tmax	0.854,0.936	0.713,1.000
Tmin'	0.825	

Correction method= # Reported T Limits: Tmin=0.713 Tmax=1.000
AbsCorr = GAUSSIAN

Data completeness= 0.971 Theta(max)= 72.668

R(reflections)= 0.0473(8401)

wR2(reflections)=
0.1335(9409)

S = 1.034

Npar= 626

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

PLAT220_ALERT_2_C	NonSolvent	Resd 1	C	Ueq(max)/Ueq(min)	Range	3.1	Ratio
PLAT260_ALERT_2_C	Large Average Ueq of Residue Including			C44		0.110	Check
PLAT911_ALERT_3_C	Missing FCF Refl Between Thmin & STh/L=			0.600		41	Report
	13 11 0, -12-12	1, -10-13	2, -11-12	2, -12-11	2, -10-13	3,	
	-11-12 3, -12-11	3, -11-11	3, -11-11	4, 12 -2	4, 13 0	4,	
	14 10 4, 12 -2	5, 13 0	5, 14 10	5, 11 -3	6, 11 -2	6,	
	14 10 6, 14 10	7, 14 9	8, 14 9	9, 14 9	10, 5 14	10,	
	13 8 11, 14 8	11, 13 9	11, 13 10	11, 13 11	11, 6 14	11,	
	13 8 12, 13 9	12, 13 10	12, 13 8	13, 13 9	13, 12 10	13,	
	12 11 13, 13 7	14, 13 8	14, 12 10	14, -1 -1	21,		



Alert level G

PLAT002_ALERT_2_G	Number of Distance or Angle Restraints on AtSite					9	Note
PLAT003_ALERT_2_G	Number of Uiso or U(i,j) Restrained non-H Atoms					21	Report
PLAT176_ALERT_4_G	The CIF-Embedded .res File Contains SADI Records					3	Report
PLAT178_ALERT_4_G	The CIF-Embedded .res File Contains SIMU Records					2	Report
PLAT187_ALERT_4_G	The CIF-Embedded .res File Contains RIGU Records					2	Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used					0.0200	Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used					0.0200	Report
PLAT190_ALERT_3_G	A Non-default RIGU Restraint Value for First Par					0.0020	Report
PLAT190_ALERT_3_G	A Non-default RIGU Restraint Value for SecondPar					0.0020	Report
PLAT191_ALERT_3_G	A Non-default SADI Restraint Value has been used					0.0100	Report
PLAT231_ALERT_4_G	Hirshfeld Test (Solvent)	C53	--C54	.		6.3	s.u.
PLAT300_ALERT_4_G	Atom Site Occupancy of C44		Constrained at			0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C45		Constrained at			0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C46		Constrained at			0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C47		Constrained at			0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C48		Constrained at			0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C49		Constrained at			0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of C50		Constrained at			0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H45		Constrained at			0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H46		Constrained at			0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H47		Constrained at			0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H48		Constrained at			0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H49		Constrained at			0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H50A		Constrained at			0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H50B		Constrained at			0.5	Check
PLAT300_ALERT_4_G	Atom Site Occupancy of H50C		Constrained at			0.5	Check
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd	2)				100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd	3)				100%	Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder (Resd	4)				100%	Note
PLAT303_ALERT_2_G	Full Occupancy Atom H1		with # Connections			2.00	Check
PLAT303_ALERT_2_G	Full Occupancy Atom H20A		with # Connections			2.00	Check
PLAT303_ALERT_2_G	Full Occupancy Atom H20B		with # Connections			2.00	Check
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in	(Resd	2)			7.50	Check
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in	(Resd	3)			11.55	Check
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in	(Resd	4)			3.45	Check
PLAT343_ALERT_2_G	Unusual	Angle Range in Main Residue for				C20	Check
PLAT367_ALERT_2_G	Long? C(sp?) - C(sp?) Bond	C19	- C20	.		1.55	Ang.

PLAT413_ALERT_2_G	Short Inter XH3 .. XHn	H7C	..H57D	.	1.84 Ang.
			-x,1-y,1-z =	2_566	Check
PLAT413_ALERT_2_G	Short Inter XH3 .. XHn	H9A	..H57D	.	2.03 Ang.
			-x,1-y,1-z =	2_566	Check
PLAT432_ALERT_2_G	Short Inter X...Y Contact	C7	..C57A	.	3.19 Ang.
			-x,1-y,1-z =	2_566	Check
PLAT432_ALERT_2_G	Short Inter X...Y Contact	C9	..C57A	.	3.18 Ang.
			-x,1-y,1-z =	2_566	Check
PLAT779_ALERT_4_G	Suspect or Irrelevant (Bond) Angle(s) in CIF ...				44.29 Deg.
	N1 -C12 -MG1	1_555	1_555	1_555 # 101 Check
PLAT789_ALERT_4_G	Atoms with Negative _atom_site_disorder_group #				15 Check
PLAT822_ALERT_4_G	CIF-embedded .res Contains Negative PART Numbers				1 Check
PLAT860_ALERT_3_G	Number of Least-Squares Restraints				651 Note
PLAT910_ALERT_3_G	Missing # of FCF Reflection(s) Below Theta(Min).				1 Note
	0 0 1,				
PLAT912_ALERT_4_G	Missing # of FCF Reflections Above STh/L=	0.600			241 Note
PLAT941_ALERT_3_G	Average HKL Measurement Multiplicity				2.9 Low
PLAT969_ALERT_5_G	The 'Henn et al.' R-Factor-gap value				3.632 Note
	Predicted wR2: Based on SigI**2	3.66	or SHELX Weight	12.92	
PLAT978_ALERT_2_G	Number C-C Bonds with Positive Residual Density.				12 Info

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

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

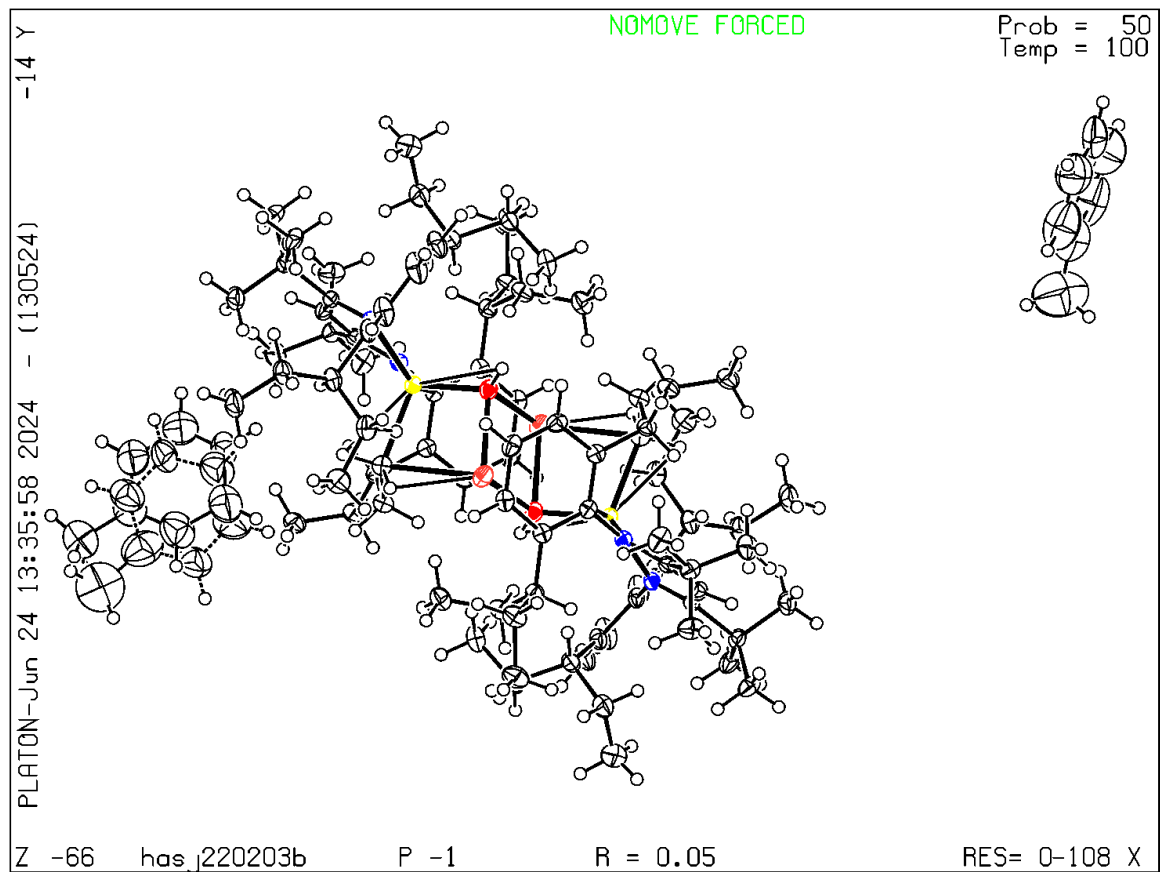
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checkCIF/PLATON report

Structure factors have been supplied for datablock(s) hasj231016a

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: hasj231016a

Bond precision: C-C = 0.0029 Å

Wavelength=1.54184

Cell: a=16.1046(3) b=19.7957(3) c=31.4472(4)
 alpha=77.931(1) beta=86.206(1) gamma=81.731(1)
Temperature: 100 K

	Calculated	Reported
Volume	9695.2(3)	9695.2(3)
Space group	P -1	P -1
Hall group	-P 1	-P 1
Moiety formula	C55 H105 Mg N4 Na3 O2 Si4	C55 H105 Mg N4 Na3 O2 Si4
Sum formula	C55 H105 Mg N4 Na3 O2 Si4	C55 H105 Mg N4 Na3 O2 Si4
Mr	1060.07	1060.06
Dx, g cm ⁻³	1.089	1.089
Z	6	6
Mu (mm ⁻¹)	1.437	1.437
F000	3480.0	3480.0
F000'	3496.20	
h,k,lmax	19,24,38	19,24,38
Nref	38466	37195
Tmin,Tmax	0.750,0.885	0.333,1.000
Tmin'	0.588	

Correction method= # Reported T Limits: Tmin=0.333 Tmax=1.000
AbsCorr = GAUSSIAN

Data completeness= 0.967

Theta(max)= 72.515

R(reflections)= 0.0412(31634)

wR2(reflections)=
0.1045(37195)

S = 1.042

Npar= 1942

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

PLAT220_ALERT_2_C NonSolvent Resd 1 C Ueq(max)/Ueq(min) Range 3.2 Ratio
PLAT220_ALERT_2_C NonSolvent Resd 3 C Ueq(max)/Ueq(min) Range 3.6 Ratio
PLAT222_ALERT_3_C NonSolvent Resd 3 H Uiso(max)/Uiso(min) Range 4.2 Ratio
PLAT413_ALERT_2_C Short Inter XH3 .. XHn H ..H . 2.13 Ang.
1-x,1-y,1-z = 2_666 Check
PLAT906_ALERT_3_C Large K Value in the Analysis of Variance 2.920 Check
PLAT911_ALERT_3_C Missing FCF Refl Between Thmin & STh/L= 0.600 153 Report
-17 7 0, 2 23 0, 3 23 0, -4-23 1, -3-23 1, -2-23 1,
12-13 1, 9-12 1, 7 11 1, 4 12 1, 5 12 1, 1 13 1,
3 13 1, 2 23 1, 3 23 1, 9-12 2, 17 -4 2, -17 7 2,
8 10 2, 6 11 2, 7 11 2, 5 12 2, 6 12 2, 0 13 2,
2 23 2, 3 23 2, 1 2 3, 18 4 3, 9 9 3, 8 10 3,
7 11 3, 6 12 3, 17 14 3, 2 23 3, 3 23 3, 1 3 4,
19 6 4, -1 13 4, 17 14 4, 2 23 4, 3 23 4, -3-22 5,
1 3 5, 2 3 5, 1 4 5, 2 23 5, 3 23 5, -4-22 6,
-3-22 6, 16 -9 6, 2 -2 6, 2 3 6, 1 4 6, 2 4 6,
1 5 6, -3 12 6, 16 16 6, 2 23 6, 3 23 6, 1 4 7,
2 4 7, -3 12 7, 16 16 7, 15 17 7, 2 23 7, 3 23 7,
-6-21 8, 10 4 8, 2 23 8, -3-21 9, 9 4 9, 10 4 9,
-4 11 9, -3-21 10, 9 3 11, 9 2 12, 8 3 12, 9 3 12,
12 12 12, 11 21 12, -1-20 13, 8 2 13, 11 12 13, -5 8 14,
9 22 14, 0-19 15, 1-19 15, 12 -4 15, 8 1 15, 1-18 16,
-10 17 16, -9 18 16, 1-18 17, 2-18 17, -5 5 17, -10 16 17,

Alert level G

PLAT154_ALERT_1_G The s.u.'s on the Cell Angles are Equal ..(Note) 0.001 Degree
PLAT720_ALERT_4_G Number of Unusual/Non-Standard Labels 7 Note
H1AA H1AB H1AC H1AD H1AE H1AF H1AG
PLAT910_ALERT_3_G Missing # of FCF Reflection(s) Below Theta(Min). 3 Note
0 1 0, 0 0 1, 0 1 1,
PLAT912_ALERT_4_G Missing # of FCF Reflections Above STh/L= 0.600 1115 Note
PLAT933_ALERT_2_G Number of HKL-OMIT Records in Embedded .res File 7 Note
-17 7 0, -17 7 2, 2 -2 6, 12 -2 28, 17 -4 2, 18 4 3,
19 6 4,
PLAT941_ALERT_3_G Average HKL Measurement Multiplicity 1.8 Low
PLAT969_ALERT_5_G The 'Henn et al.' R-Factor-gap value 2.028 Note
Predicted wR2: Based on SigI**2 5.16 or SHELX Weight 10.03
PLAT978_ALERT_2_G Number C-C Bonds with Positive Residual Density. 4 Info

0 **ALERT level A** = Most likely a serious problem - resolve or explain
0 **ALERT level B** = A potentially serious problem, consider carefully
6 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight
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1 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
5 ALERT type 3 Indicator that the structure quality may be low
2 ALERT type 4 Improvement, methodology, query or suggestion
1 ALERT type 5 Informative message, check

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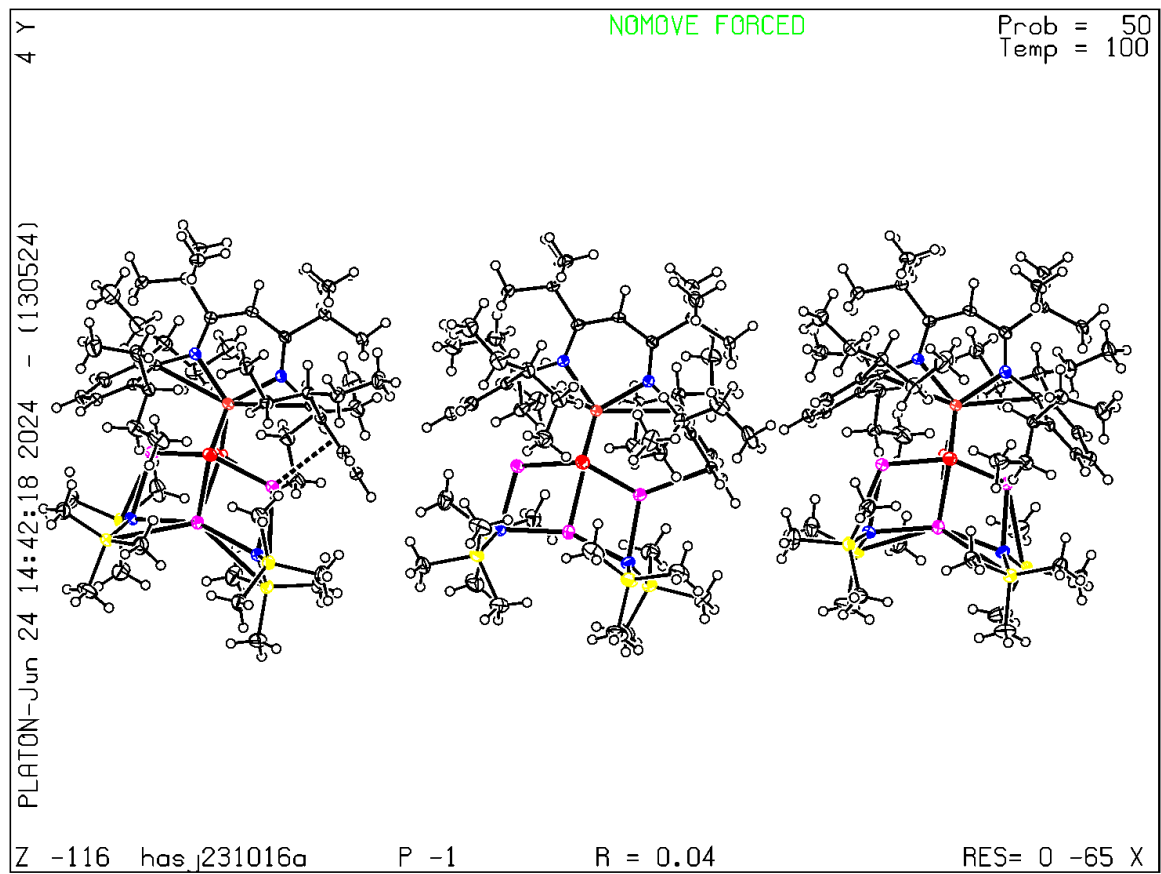
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Publication of your CIF in other journals

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PLATON version of 13/05/2024; check.def file version of 04/05/2024



```
R(reflections)= 0.0387( 12385)      wR2(reflections)=
S = 1.017                          0.1073( 14412)
Npar= 848
```

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

PLAT112_ALERT_2_C	ADDSYM Detects New (Pseudo) Symm. Elem	C	95 %Fit
PLAT220_ALERT_2_C	NonSolvent Resd 1 C Ueq(max)/Ueq(min) Range		3.8 Ratio
PLAT222_ALERT_3_C	NonSolvent Resd 1 H Uiso(max)/Uiso(min) Range		4.8 Ratio
PLAT230_ALERT_2_C	Hirshfeld Test Diff for Si2 --C49	.	5.3 s.u.
PLAT230_ALERT_2_C	Hirshfeld Test Diff for Si3 --C51	.	5.6 s.u.
PLAT242_ALERT_2_C	Low 'MainMol' Ueq as Compared to Neighbors of		Si3 Check
PLAT911_ALERT_3_C	Missing FCF Refl Between Thmin & STh/L=	0.600	70 Report



Alert level G

PLAT002_ALERT_2_G	Number of Distance or Angle Restraints on AtSite		21 Note
PLAT003_ALERT_2_G	Number of Uiso or Uij Restrained non-H Atoms ...		19 Report
PLAT143_ALERT_4_G	s.u. on c - Axis Small or Missing		0.00018 Ang.
PLAT176_ALERT_4_G	The CIF-Embedded .res File Contains SADI Records		5 Report
PLAT178_ALERT_4_G	The CIF-Embedded .res File Contains SIMU Records		3 Report
PLAT187_ALERT_4_G	The CIF-Embedded .res File Contains RIGU Records		1 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used		0.0200 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used		0.0200 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used		0.0100 Report
PLAT190_ALERT_3_G	A Non-default RIGU Restraint Value for First Par		0.0030 Report
PLAT190_ALERT_3_G	A Non-default RIGU Restraint Value for SecondPar		0.0030 Report
PLAT232_ALERT_2_G	Hirshfeld Test Diff (M-X) Mg1 --O2	.	5.2 s.u.
PLAT301_ALERT_3_G	Main Residue Disorder(Resd 1)		11% Note
PLAT410_ALERT_2_G	Short Intra H...H Contact H16 ..H26B	.	2.10 Ang.
	x,y,z =		1_555 Check
PLAT410_ALERT_2_G	Short Intra H...H Contact H32 ..H40D	.	2.04 Ang.
	x,y,z =		1_555 Check
PLAT412_ALERT_2_G	Short Intra XH3 .. XHn H16 ..H27D	.	2.09 Ang.
	x,y,z =		1_555 Check
PLAT412_ALERT_2_G	Short Intra XH3 .. XHn H32 ..H41C	.	2.07 Ang.
	x,y,z =		1_555 Check
PLAT413_ALERT_2_G	Short Inter XH3 .. XHn H50B ..H26D	.	2.11 Ang.
	-x,1/2+y,1/2-z =		2_555 Check
PLAT432_ALERT_2_G	Short Inter X...Y Contact C30 ..C41A	.	3.07 Ang.
	1-x,1-y,1-z =		3_666 Check
PLAT432_ALERT_2_G	Short Inter X...Y Contact C31 ..C41A	.	2.92 Ang.
	1-x,1-y,1-z =		3_666 Check
PLAT860_ALERT_3_G	Number of Least-Squares Restraints		597 Note
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	424 Note
PLAT941_ALERT_3_G	Average HKL Measurement Multiplicity		1.8 Low
PLAT978_ALERT_2_G	Number C-C Bonds with Positive Residual Density.		10 Info

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0 **ALERT level B** = A potentially serious problem, consider carefully

7 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight

25 **ALERT level G** = General information/check it is not something unexpected

0 ALERT type 1 CIF construction/syntax error, inconsistent or missing data

16 ALERT type 2 Indicator that the structure model may be wrong or deficient
11 ALERT type 3 Indicator that the structure quality may be low
5 ALERT type 4 Improvement, methodology, query or suggestion
0 ALERT type 5 Informative message, check

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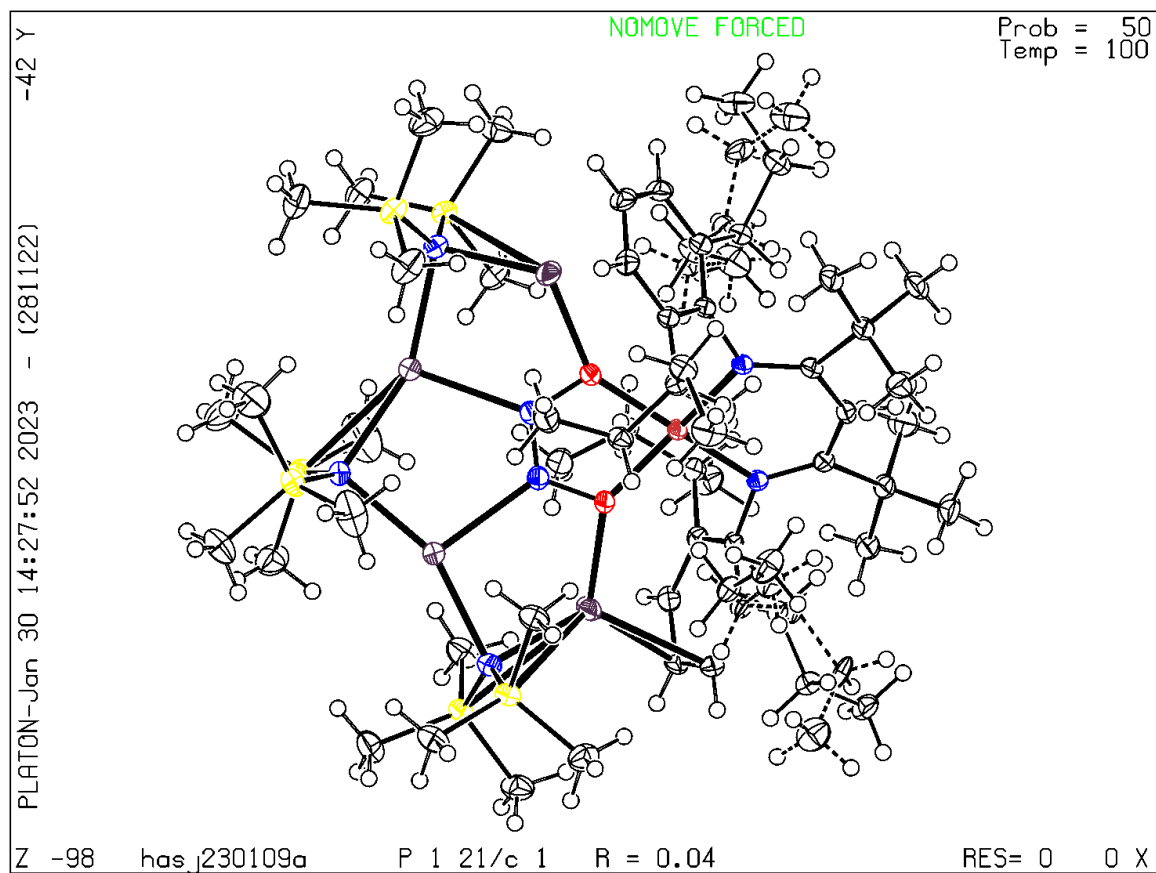
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PLATON version of 28/11/2022; check.def file version of 28/11/2022



checkCIF/PLATON report

Structure factors have been supplied for datablock(s) hasj240220a

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: hasj240220a

Bond precision:	C-C = 0.0017 Å	Wavelength=1.54184	
Cell:	a=10.3537(1)	b=19.5644(2)	c=21.7614(2)
	alpha=90	beta=96.920(1)	gamma=90
Temperature:	100 K		

	Calculated	Reported
Volume	4375.96(7)	4375.96(7)
Space group	P 21/n	P 1 21/n 1
Hall group	-P 2yn	-P 2yn
Moiety formula	C47 H77 N2 Na O	C47 H77 N2 Na O
Sum formula	C47 H77 N2 Na O	C47 H77 N2 Na O
Mr	709.10	709.09
Dx, g cm ⁻³	1.076	1.076
Z	4	4
Mu (mm ⁻¹)	0.554	0.554
F000	1568.0	1568.0
F000'	1572.15	
h, k, lmax	12, 24, 26	12, 23, 26
Nref	8692	8426
Tmin, Tmax	0.865, 0.903	0.582, 1.000
Tmin'	0.804	

```
Correction method= # Reported T Limits: Tmin=0.582 Tmax=1.000
AbsCorr = GAUSSIAN
```

Data completeness= 0.969 Theta (max)= 72.578

R(reflections)= 0.0367(7571)	wR2(reflections)= 0.0950(8426)
S = 1.025	Npar= 520

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

PLAT220_ALERT_2_C	NonSolvent	Resd 1	C	Ueq(max)/Ueq(min)	Range	3.3	Ratio
PLAT911_ALERT_3_C	Missing FCF Refl	Between	Thmin & STh/L=	0.600		20	Report
	0 12 0,	1 13 0,	1 0 1,	1 12 1,	0 13 1,	1 13 1,	
	2 0 2,	1 12 2,	0 13 2,	2 23 2,	2 12 3,	-6 0 6,	
	-6 1 6,	2 22 7,	-5 0 11,	-4 0 12,	3 18 14,	-10 0 16,	
	-6 0 22,	-3 12 22,					



Alert level G

PLAT002_ALERT_2_G	Number of Distance or Angle Restraints on AtSite	11	Note
PLAT003_ALERT_2_G	Number of Uiso or U(i,j) Restrained non-H Atoms	10	Report
PLAT143_ALERT_4_G	s.u. on c - Axis Small or Missing	0.00020	Ang.
PLAT176_ALERT_4_G	The CIF-Embedded .res File Contains SADI Records	4	Report
PLAT178_ALERT_4_G	The CIF-Embedded .res File Contains SIMU Records	1	Report
PLAT187_ALERT_4_G	The CIF-Embedded .res File Contains RIGU Records	1	Report
PLAT301_ALERT_3_G	Main Residue Disorder(Resd 1)	10%	Note
PLAT860_ALERT_3_G	Number of Least-Squares Restraints	224	Note
PLAT910_ALERT_3_G	Missing # of FCF Reflection(s) Below Theta(Min).	1	Note
	0 1 1,		
PLAT912_ALERT_4_G	Missing # of FCF Reflections Above STh/L= 0.600	235	Note
PLAT941_ALERT_3_G	Average HKL Measurement Multiplicity	1.9	Low
PLAT969_ALERT_5_G	The 'Henn et al.' R-Factor-gap value	2.667	Note
	Predicted wR2: Based on SigI**2 3.56 or SHELX Weight	9.27	
PLAT978_ALERT_2_G	Number C-C Bonds with Positive Residual Density.	19	Info

- 0 **ALERT level A** = Most likely a serious problem - resolve or explain
0 **ALERT level B** = A potentially serious problem, consider carefully
2 **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
- 0 ALERT type 1 CIF construction/syntax error, inconsistent or missing data
4 ALERT type 2 Indicator that the structure model may be wrong or deficient
5 ALERT type 3 Indicator that the structure quality may be low
5 ALERT type 4 Improvement, methodology, query or suggestion
1 ALERT type 5 Informative message, check
-
-

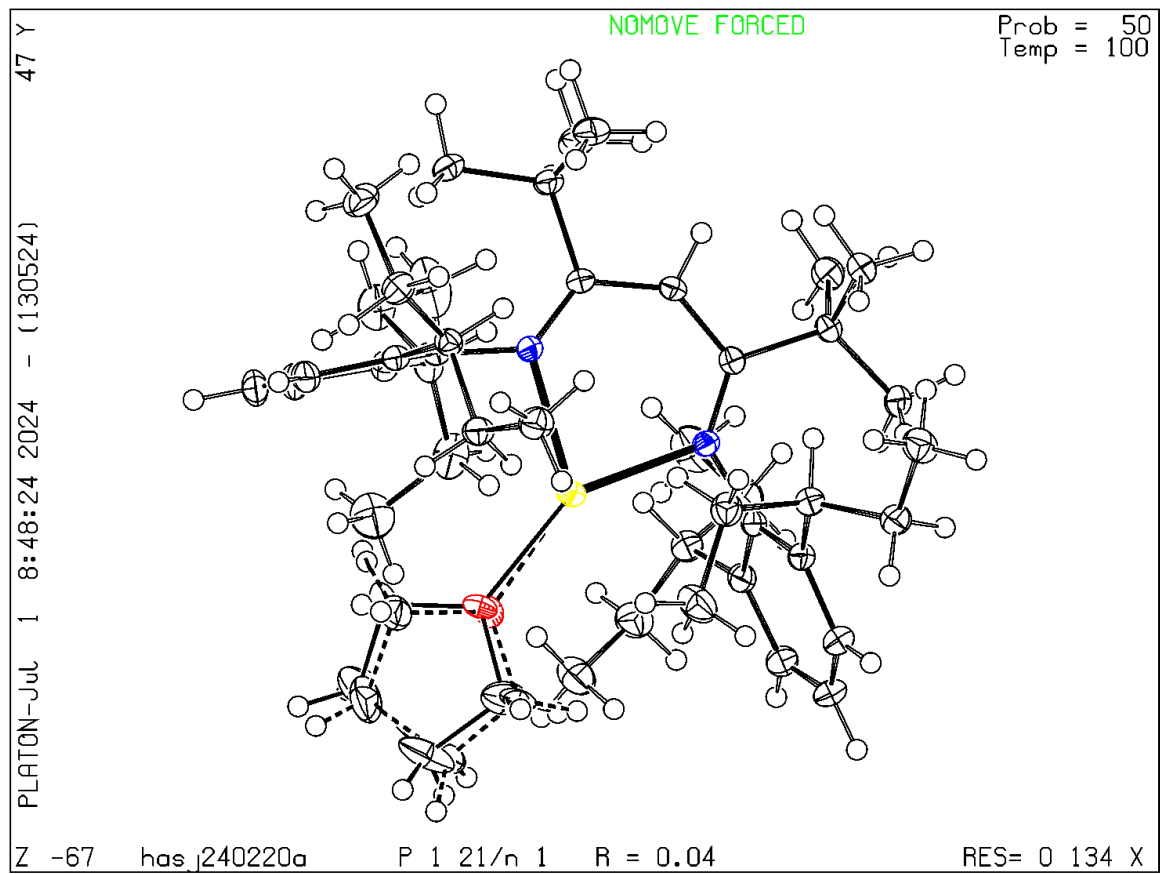
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Publication of your CIF in other journals

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checkCIF/PLATON report

Structure factors have been supplied for datablock(s) hasj211112a

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No syntax errors found. CIF dictionary Interpreting this report

Datablock: hasj211112a

Bond precision: C-C = 0.0025 A

Wavelength=1.54184

Cell: a=11.4384(3) b=15.0170(3) c=36.1820(7)
 alpha=82.6283(16) beta=85.6640(17) gamma=70.183(2)
Temperature: 100 K

	Calculated	Reported
Volume	5795.2(2)	5795.2(2)
Space group	P -1	P -1
Hall group	-P 1	-P 1
Moiety formula	2(C55 H93 N2 Na O3), C6 H14, 0.5(C6 H6)	1(C55 H93 N2 Na O3), 0.5(C6 H14), 0.25(C6 H6)
Sum formula	C119 H203 N4 Na2 O6	C59.50 H101.50 N2 Na O3
Mr	1831.83	915.91
Dx, g cm ⁻³	1.050	1.050
Z	2	4
Mu (mm ⁻¹)	0.539	0.539
F000	2030.0	2030.0
F000'	2035.40	
h,k,lmax	14,18,44	14,18,44
Nref	23028	22211
Tmin,Tmax	0.852,0.900	0.431,1.000
Tmin'	0.810	

Correction method= # Reported T Limits: Tmin=0.431 Tmax=1.000
AbsCorr = GAUSSIAN

Data completeness= 0.965

Theta(max)= 72.690

R(reflections)= 0.0546(18996)

wR2(reflections)=
0.1577(22211)

S = 1.017

Npar= 1756

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

PLAT042_ALERT_1_C	Calc. and Reported MoietyFormula Strings Differ	Please Check
	Calc: 2(C55 H93 N2 Na O3), C6 H14, 0.5(C6 H6)	
	Rep.: 1(C55 H93 N2 Na O3), 0.5(C6 H14), 0.25(C6 H6)	
PLAT220_ALERT_2_C	NonSolvent Resd 1 C Ueq(max)/Ueq(min) Range	4.6 Ratio
PLAT220_ALERT_2_C	NonSolvent Resd 2 C Ueq(max)/Ueq(min) Range	3.8 Ratio
PLAT222_ALERT_3_C	NonSolvent Resd 1 H Uiso(max)/Uiso(min) Range	4.5 Ratio
PLAT222_ALERT_3_C	NonSolvent Resd 2 H Uiso(max)/Uiso(min) Range	4.1 Ratio
PLAT250_ALERT_2_C	Large U3/U1 Ratio for <U(i,j)> Tensor(Resd 4)	3.1 Note
PLAT250_ALERT_2_C	Large U3/U1 Ratio for <U(i,j)> Tensor(Resd 5)	2.8 Note
PLAT260_ALERT_2_C	Large Average Ueq of Residue Including C117	0.147 Check
PLAT260_ALERT_2_C	Large Average Ueq of Residue Including C140	0.147 Check
PLAT906_ALERT_3_C	Large K Value in the Analysis of Variance	2.943 Check
PLAT911_ALERT_3_C	Missing FCF Refl Between Thmin & STh/L= 0.600	90 Report
	5 16 1, 7 7 2, 7 7 3, -6 -6 4, -1 0 5,	1 1 5,
	7 17 6, 6 5 7, 7 17 7, 2 2 8, 5 4 8,	6 5 8,
	7 17 8, 2-15 9, -13 -3 9, 5 4 9, 6 5 9,	7 17 9,
	6 6 10, 8 17 10, 7 2 11, 4 4 11, 5 5 11,	6 6 11,
	7 3 12, 6 7 12, 4 5 13, 5 6 13, 6 7 13,	6 1 14,
	-10-13 15, 6 1 15, 5 7 15, -8 9 15, 6 1 16,	-3 5 16,
	-2 6 16, 13 8 16, 8 16 16, 8 16 17, -9-12 18,	-7 10 18,
	8 16 18, -8 8 19, -7 9 19, 8 16 19, -8 8 20,	-7 9 20,
	8 16 20, -7 9 21, 8 15 21, -7 9 22, -6 10 22,	8 15 22,
	-6 10 23, 8 15 23, 8 15 24, -6 9 25, -5 10 25,	-6 9 26,
	-5 10 26, 7 15 26, -7-11 27, -5 10 27, -4-12 28,	-6-11 28,
	-4 10 28, -5-11 29, -4-11 29, -4-10 29, -3-10 29,	-2 -9 29,
	-4 10 29, -4-10 30, -3-10 30, -2 -9 30, -5 9 30,	-4 10 30,
	-3 10 31, -4 9 32, -3 10 32, -3 9 33, -3 10 33,	-3 9 34,
	-5 0 39, 4 4 41, 5 5 41, 4 3 42, 4 4 42,	4 5 42,

Alert level G

PLAT002_ALERT_2_G	Number of Distance or Angle Restraints on AtSite	92 Note
PLAT003_ALERT_2_G	Number of Uiso or U(i,j) Restrained non-H Atoms	105 Report
PLAT045_ALERT_1_G	Calculated and Reported Z Differ by a Factor ...	0.500 Check
PLAT176_ALERT_4_G	The CIF-Embedded .res File Contains SADI Records	11 Report
PLAT178_ALERT_4_G	The CIF-Embedded .res File Contains SIMU Records	8 Report
PLAT180_ALERT_4_G	Check Cell Rounding: # of Values Ending with 0 =	3 Note
PLAT187_ALERT_4_G	The CIF-Embedded .res File Contains RIGU Records	1 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used	0.0300 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used	0.0200 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used	0.0200 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used	0.0200 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used	0.0200 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used	0.0200 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used	0.0100 Report
PLAT188_ALERT_3_G	A Non-default SIMU Restraint Value has been used	0.0200 Report
PLAT190_ALERT_3_G	A Non-default RIGU Restraint Value for First Par	0.0010 Report
PLAT190_ALERT_3_G	A Non-default RIGU Restraint Value for SecondPar	0.0010 Report
PLAT230_ALERT_2_G	Hirshfeld Test Diff for O4 --C102 .	7.1 s.u.
PLAT230_ALERT_2_G	Hirshfeld Test Diff for C81 --C82 .	6.5 s.u.

PLAT230_ALERT_2_G	Hirshfeld Test Diff for	C107	--C108	.	6.0 s.u.
PLAT231_ALERT_4_G	Hirshfeld Test (Solvent)	C115	--C116	.	7.5 s.u.
PLAT231_ALERT_4_G	Hirshfeld Test (Solvent)	C115	--C139	.	5.0 s.u.
PLAT301_ALERT_3_G	Main Residue Disorder	(Resd	1)		77% Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder	(Resd	3)		83% Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder	(Resd	4)		100% Note
PLAT302_ALERT_4_G	Anion/Solvent/Minor-Residue Disorder	(Resd	5)		100% Note
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in	(Resd	4)		3.34 Check
PLAT304_ALERT_4_G	Non-Integer Number of Atoms in	(Resd	5)		2.66 Check
PLAT410_ALERT_2_G	Short Intra H...H Contact	H71	..H81D	.	2.02 Ang.
			x,y,z =	1_555	Check
PLAT412_ALERT_2_G	Short Intra XH3 .. XHn	H61C	..H90C	.	1.74 Ang.
			x,y,z =	1_555	Check
PLAT413_ALERT_2_G	Short Inter XH3 .. XHn	H62B	..H141	.	1.98 Ang.
			1-x,2-y,2-z =	2_677	Check
PLAT413_ALERT_2_G	Short Inter XH3 .. XHn	H62B	..H142	.	1.44 Ang.
			1-x,2-y,2-z =	2_677	Check
PLAT413_ALERT_2_G	Short Inter XH3 .. XHn	H62C	..H141	.	1.77 Ang.
			1-x,2-y,2-z =	2_677	Check
PLAT432_ALERT_2_G	Short Inter X...Y Contact	C60	..C141	.	3.19 Ang.
			1-x,2-y,2-z =	2_677	Check
PLAT432_ALERT_2_G	Short Inter X...Y Contact	C62	..C141	.	2.85 Ang.
			1-x,2-y,2-z =	2_677	Check
PLAT432_ALERT_2_G	Short Inter X...Y Contact	C62	..C142	.	2.94 Ang.
			1-x,2-y,2-z =	2_677	Check
PLAT789_ALERT_4_G	Atoms with Negative _atom_site_disorder_group #				24 Check
PLAT811_ALERT_5_G	No ADDSYM Analysis: Too Many Excluded Atoms				! Info
PLAT822_ALERT_4_G	CIF-embedded .res Contains Negative PART Numbers				2 Check
PLAT860_ALERT_3_G	Number of Least-Squares Restraints				3651 Note
PLAT910_ALERT_3_G	Missing # of FCF Reflection(s) Below Theta(Min).				2 Note
	0 0 1, 0 0 2,				
PLAT912_ALERT_4_G	Missing # of FCF Reflections Above STh/L= 0.600				723 Note
PLAT933_ALERT_2_G	Number of HKL-OMIT Records in Embedded .res File				1 Note
	-1 0 5,				
PLAT941_ALERT_3_G	Average HKL Measurement Multiplicity				1.7 Low
PLAT969_ALERT_5_G	The 'Henn et al.' R-Factor-gap value				4.649 Note
	Predicted wR2: Based on SigI**2 3.39 or SHELX Weight 15.50				
PLAT978_ALERT_2_G	Number C-C Bonds with Positive Residual Density.				8 Info
PLAT992_ALERT_5_G	Repd & Actual _reflns_number_gt Values Differ by				3 Check

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

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

