

# checkCIF/PLATON (full publication check)

---

You have not supplied any structure factors. As a result the full set of tests cannot be run.

Sample Pz21, Bonazzi cell

No syntax errors found.  
Please wait while processing ....

[CIF dictionary](#)  
[Interpreting this report](#)

## Datablock: I

---

Bond precision: Sb- O = 0.0027 Å      Wavelength=0.71070  
Cell:            a=8.1416(3)      b=10.6968(3)      c=5.7835(2)  
                  alpha=102.758(3) beta=110.657(3) gamma=101.020(3)  
Temperature: 293 K

	Calculated	Reported
Volume	439.23(3)	439.23(3)
Space group	P -1	P -1
Hall group	-P 1	-P 1
Moiety formula	O2 S4 Sb4	O1 S2 Sb2
Sum formula	O2 S4 Sb4	O1 S2 Sb2
Mr	647.32	323.60
Dx, g cm <sup>-3</sup>	4.894	4.892
Z	2	4
Mu (mm <sup>-1</sup> )	13.056	13.056
F000	568.0	568.0
F000'	564.49	
h,k,lmax	12,16,8	12,16,8
Nref	3231	4465
Tmin,Tmax	0.440,0.650	0.109,0.667
Tmin'	0.000	

Correction method= GAUSSIAN

Data completeness= 1.382      Theta(max)= 32.680

R(reflections)= 0.0244( 2604)      wR2(reflections)= wR= 0.0270( 4465)

S = 1.120                      Npar= 92

---

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

[PLAT021\\_ALERT\\_4\\_B](#) Ratio Unique / Expected Reflections too High ...      1.382

**Comment: The structure is twinned. CheckCIF probably does not consider reflections belonging to the second twin individual.**

---

### ● Alert level C

[PLAT155\\_ALERT\\_4\\_C](#) The Triclinic Unitcell is NOT Reduced ..... ?  
[PLAT156\\_ALERT\\_4\\_C](#) Axial System Input Cell not Standard ..... ?

**Comment: We use the same unit cell as authors of the previous publication.**

---

### ● Alert level G

[PLAT004\\_ALERT\\_5\\_G](#) Info: Polymeric Structure Found with Dimension . 2  
[PLAT005\\_ALERT\\_5\\_G](#) No `_iucr_refine_instructions_details` in the CIF ?  
[PLAT042\\_ALERT\\_1\\_G](#) Calc. and Reported MoietyFormula Strings Differ ?  
[PLAT045\\_ALERT\\_1\\_G](#) Calculated and Reported Z Differ by ..... 0.50 Ratio  
[PLAT063\\_ALERT\\_4\\_G](#) Crystal Size Likely too Large for Beam Size .... 0.65 mm  
[PLAT154\\_ALERT\\_1\\_G](#) The su's on the Cell Angles are Equal ..... 0.00300 Deg.  
[PLAT158\\_ALERT\\_4\\_G](#) The Input Unitcell is NOT Standard/Reduced ..... ?  
[PLAT199\\_ALERT\\_1\\_G](#) Check the Reported `_cell_measurement_temperature` 293 K  
[PLAT200\\_ALERT\\_1\\_G](#) Check the Reported `_diffrn_ambient_temperature` 293 K  
[PLAT232\\_ALERT\\_2\\_G](#) Hirshfeld Test Diff (M-X) Sb3 -- S1\_a .. 5.0 su

#### And 2 other PLAT232 Alerts

More ...

[PLAT794\\_ALERT\\_5\\_G](#) Note: Tentative Bond Valency for Sb3 (III) 3.25  
[PLAT794\\_ALERT\\_5\\_G](#) Note: Tentative Bond Valency for Sb4 (III) 3.00  
[PLAT808\\_ALERT\\_5\\_G](#) No Parseable SHELXL Style Weighting Scheme Found !

---

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

- 5 ALERT type 1 CIF construction/syntax error, inconsistent or missing data
- 3 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
- 5 ALERT type 4 Improvement, methodology, query or suggestion
- 5 ALERT type 5 Informative message, check

# checkCIF/PLATON (full publication check)

Sample Pz21, Kupcik cell

You have not supplied any structure factors. As a result the full set of tests cannot be run.

No syntax errors found.

Please wait while processing ....

[CIF dictionary](#)

[Interpreting this report](#)

## Datablock: I

Bond precision: Sb- O = 0.0020 A Wavelength=0.71070

Cell: a=21.6466(9) b=8.1416(3) c=20.3824(9)  
alpha=90.079(4) beta=101.985(5) gamma=89.948(4)

Temperature: 293 K

	Calculated	Reported
Volume	3513.9(3)	3513.8(3)
Space group	F -1	X-1
Hall group	-F 1	-X
Moiety formula	O S2 Sb2	O1 S2 Sb2
Sum formula	O S2 Sb2	O1 S2 Sb2
Mr	323.66	323.60
Dx,g cm-3	3.671	4.892
Z	24	32
Mu (mm-1)	9.792	13.056
F000	3408.0	568.0
F000'	3386.91	
h,k,lmax	32,12,30	31,12,30
Nref	6455	4465
Tmin,Tmax	0.440,0.650	0.109,0.667
Tmin'	0.000	

Correction method= GAUSSIAN

Data completeness= 0.692 Theta(max)= 32.680

R(reflections)= 0.0243( 2604) wR2(reflections)= wR= 0.0270(  
4465)

S = 1.110 Npar= 92

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 A

[CHEMW03\\_ALERT\\_2\\_A](#) ALERT: The ratio of given/expected molecular weight as calculated from the \_atom\_site\* data lies outside the range 0.90 <> 1.10

From the CIF: \_cell\_formula\_units\_Z

32

From the CIF: `_chemical_formula_weight` 323.60

TEST: Calculate formula weight from `_atom_site_*`

atom	mass	num	sum
O	16.00	0.50	8.00
S	32.07	1.00	32.07
Sb	121.75	1.00	121.75

Calculated formula weight 161.82

[SYMMG01\\_ALERT\\_1\\_A](#) Unrecognised `_symmetry_space_group_name_H-M`

International Tables space group number is not in the CIF

From the CIF: `_symmetry_space_group_name_H-M` X-1

Int. Tables space group number for X-1 is 0

[SYMMG02\\_ALERT\\_1\\_A](#) Supplied `_symmetry_space_group_name_H-M` not recognised

From the CIF: `_symmetry_equiv_pos_as_xyz`

x,y,z  
-x+1/2,-y+1/2,-z  
x+3/4,y+1/4,z+1/2  
-x+1/4,-y+3/4,-z+1/2  
x+1/2,y+1/2,z  
-x,-y,-z  
x+1/4,y+3/4,z+1/2  
-x+3/4,-y+1/4,-z+1/2  
x+1/4,y+1/4,z  
-x+3/4,-y+3/4,-z  
x,y+1/2,z+1/2  
-x+1/2,-y,-z+1/2  
x+3/4,y+3/4,z  
-x+1/4,-y+1/4,-z  
x+1/2,y,z+1/2  
-x,-y+1/2,-z+1/2

These symops generate the Hall space group symbol -f

which is equivalent to the H-M space group symbol

[PLAT043\\_ALERT\\_1\\_A](#) Check Reported Molecular Weight ..... 323.60

[PLAT044\\_ALERT\\_1\\_A](#) Calculated and Reported Dx Differ ..... ?

[PLAT051\\_ALERT\\_1\\_A](#) Mu(calc) and Mu(CIF) Ratio Differs from 1.0 by . 25.00 %

[PLAT129\\_ALERT\\_4\\_A](#) Unusual Space-group Specified ..... X-1

**Comment: All these differences are due to the non-standard axial setting of Kupcák. Platon does not consider the extra centering points (in addition to the F-centering), so some values are calculated incorrectly. Reason why the non-standard cell is used is justified in the text.**

---

### ●Alert level C

[PLAT041\\_ALERT\\_1\\_C](#) Calc. and Reported SumFormula Strings Differ ?

[PLAT068\\_ALERT\\_1\\_C](#) Reported F000 Differs from Calcd (or Missing)... ?

[PLAT120\\_ALERT\\_1\\_C](#) Reported SPGR X-1 Inconsistent with Explicit F-1

[PLAT126\\_ALERT\\_1\\_C](#) Error in or Uninterpretable Hall Symbol ..... -X

[PLAT601\\_ALERT\\_2\\_C](#) Structure Contains Solvent Accessible VOIDS of . 71 Ang3

**Comment: Also these alerts are due to the non-standard axial setting.**

---

### ●Alert level G

[FORMU01\\_ALERT\\_2\\_G](#) There is a discrepancy between the atom counts in the `_chemical_formula_sum` and the formula from the `_atom_site*` data.

Atom count from `_chemical_formula_sum`: O1 S2 Sb2

Atom count from the `_atom_site` data: O0.5 S1 Sb1

[CELLZ01\\_ALERT\\_1\\_G](#) Difference between formula and `atom_site` contents detected.

[CELLZ01\\_ALERT\\_1\\_G](#) ALERT: Large difference may be due to a

symmetry error - see SYMMG tests  
 From the CIF: `_cell_formula_units_Z` 32  
 From the CIF: `_chemical_formula_sum` O1 S2 Sb2  
 TEST: Compare cell contents of formula and atom\_site data

atom	Z*formula	cif sites	diff
O	32.00	16.00	16.00
S	64.00	32.00	32.00
Sb	64.00	32.00	32.00

[PLAT005\\_ALERT\\_5\\_G](#) No `_iucr_refine_instructions_details` in the CIF ?  
[PLAT045\\_ALERT\\_1\\_G](#) Calculated and Reported Z Differ by ..... 0.75 Ratio  
[PLAT063\\_ALERT\\_4\\_G](#) Crystal Size Likely too Large for Beam Size .... 0.65 mm  
[PLAT104\\_ALERT\\_1\\_G](#) The Reported Crystal System is Inconsistent with F-1  
[PLAT110\\_ALERT\\_2\\_G](#) ADDSYM Detects Potential Lattice Centering or Halving . ?  
[PLAT112\\_ALERT\\_2\\_G](#) ADDSYM Detects Additional (Pseudo) Symm. Elem... m  
**And 3 other PLAT112 Alerts**  
 More ...  
[PLAT113\\_ALERT\\_2\\_G](#) ADDSYM Suggests Possible Pseudo/New Space-group. P-1  
[PLAT199\\_ALERT\\_1\\_G](#) Check the Reported `_cell_measurement_temperature` 293 K  
[PLAT200\\_ALERT\\_1\\_G](#) Check the Reported `_diffrn_ambient_temperature` 293 K  
[PLAT794\\_ALERT\\_5\\_G](#) Note: Tentative Bond Valency for Sb1 (III) 2.20  
**And 3 other PLAT794 Alerts**  
 More ...  
[PLAT804\\_ALERT\\_5\\_G](#) ARU-Pack Problem in PLATON Analysis ..... 1021 Times  
[PLAT808\\_ALERT\\_5\\_G](#) No Parseable SHELXL Style Weighting Scheme Found !

- 
- 7 **ALERT level A** = Most likely a serious problem - resolve or explain
  - 0 **ALERT level B** = A potentially serious problem, consider carefully
  - 5 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight
  - 21 **ALERT level G** = General information/check it is not something unexpected
- 
- 15 ALERT type 1 CIF construction/syntax error, inconsistent or missing data
  - 9 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
  - 2 ALERT type 4 Improvement, methodology, query or suggestion
  - 7 ALERT type 5 Informative message, check

# checkCIF/PLATON (full publication check)

---

Sample Pz24, Bonazzi cell

You have not supplied any structure factors. As a result the full set of tests cannot be run.

No syntax errors found.

Please wait while processing ....

[CIF dictionary](#)

[Interpreting this report](#)

## Datablock: I

---

Bond precision: Sb- O = 0.0053 A Wavelength=0.71070  
Cell: a=8.1372(2) b=10.6969(3) c=5.7840(1)  
alpha=102.787(2) beta=110.6063(19) gamma=100.9833(19)  
Temperature: 293 K

	Calculated	Reported
Volume	439.24(2)	439.24(2)
Space group	P -1	P -1
Hall group	-P 1	-P 1
Moiety formula	O2 S4 Sb4	O1 S2 Sb2
Sum formula	O2 S4 Sb4	O1 S2 Sb2
Mr	647.32	323.60
Dx,g cm-3	4.894	4.892
Z	2	4
Mu (mm-1)	13.056	13.056
F000	568.0	568.0
F000'	564.49	
h,k,lmax	12,16,8	12,16,8
Nref	3244	4591
Tmin,Tmax	0.347,0.878	0.048,0.779
Tmin'	0.000	

Correction method= GAUSSIAN

Data completeness= 1.415 Theta(max)= 32.710

R(reflections)= 0.0321( 3769) wR2(reflections)= wR= 0.0382( 4591)

S = 2.190 Npar= 92

---

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

[PLAT021\\_ALERT\\_4\\_B](#) Ratio Unique / Expected Reflections too High ...

1.415

Comment: The structure is twinned. CheckCIF probably does not consider reflections belonging to the second twin individual.

---

### ●Alert level C

[GOODF01\\_ALERT\\_2\\_C](#) The least squares goodness of fit parameter lies outside the range 0.80 <> 2.00  
Goodness of fit given = 2.190

[PLAT155\\_ALERT\\_4\\_C](#) The Triclinic Unitcell is NOT Reduced ..... ?  
[PLAT156\\_ALERT\\_4\\_C](#) Axial System Input Cell not Standard ..... ?

Comment: The sample studied is not of good quality (mineral), thus the goodness of fit parameter is somewhat above the allowed range.  
We use the same unit cell as authors of the previous publication.

---

### ●Alert level G

<a href="#">PLAT004_ALERT_5_G</a>	Info: Polymeric Structure Found with Dimension .	2
<a href="#">PLAT005_ALERT_5_G</a>	No <code>_iucr_refine_instructions_details</code> in the CIF	?
<a href="#">PLAT042_ALERT_1_G</a>	Calc. and Reported MoietyFormula Strings Differ	?
<a href="#">PLAT045_ALERT_1_G</a>	Calculated and Reported Z Differ by .....	0.50 Ratio
<a href="#">PLAT063_ALERT_4_G</a>	Crystal Size Likely too Large for Beam Size ....	0.95 mm
<a href="#">PLAT158_ALERT_4_G</a>	The Input Unitcell is NOT Standard/Reduced ....	?
<a href="#">PLAT199_ALERT_1_G</a>	Check the Reported <code>_cell_measurement_temperature</code>	293 K
<a href="#">PLAT200_ALERT_1_G</a>	Check the Reported <code>_diffrn_ambient_temperature</code>	293 K
<a href="#">PLAT232_ALERT_2_G</a>	Hirshfeld Test Diff (M-X) Sb4 -- S3_d ..	6.4 su
<a href="#">PLAT232_ALERT_2_G</a>	Hirshfeld Test Diff (M-X) Sb4 -- S4_d ..	6.7 su
<a href="#">PLAT794_ALERT_5_G</a>	Note: Tentative Bond Valency for Sb3 (III)	3.24
<a href="#">PLAT794_ALERT_5_G</a>	Note: Tentative Bond Valency for Sb4 (III)	3.01
<a href="#">PLAT808_ALERT_5_G</a>	No Parseable SHELXL Style Weighting Scheme Found	!

---

0 **ALERT level A** = Most likely a serious problem - resolve or explain  
1 **ALERT level B** = A potentially serious problem, consider carefully  
3 **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

4 ALERT type 1 CIF construction/syntax error, inconsistent or missing data  
3 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  
5 ALERT type 4 Improvement, methodology, query or suggestion  
5 ALERT type 5 Informative message, check

---

---

# checkCIF/PLATON (full publication check)

Sample Pz24, Kupcik cell

You have not supplied any structure factors. As a result the full set of tests cannot be run.

No syntax errors found.

Please wait while processing ....

[CIF dictionary](#)

[Interpreting this report](#)

## Datablock: I

Bond precision: Sb- O = 0.0060 A Wavelength=0.71070

Cell: a=21.6558(5) b=8.1372(2) c=20.3859(8)  
alpha=90.028(3) beta=101.994(3) gamma=89.986(2)

Temperature: 293 K

	Calculated	Reported
Volume	3513.93(19)	3513.92(19)
Space group	F -1	X-1
Hall group	-F 1	-X
Moiety formula	O S2 Sb2	O1 S2 Sb2
Sum formula	O S2 Sb2	O1 S2 Sb2
Mr	323.66	323.60
Dx,g cm-3	3.671	4.892
Z	24	32
Mu (mm-1)	9.792	13.056
F000	3408.0	4544.0
F000'	3386.91	
h,k,lmax	32,12,30	32,12,30
Nref	6476	4591
Tmin,Tmax	0.347,0.878	0.048,0.779
Tmin'	0.000	

Correction method= GAUSSIAN

Data completeness= 0.709 Theta(max)= 32.710

R(reflections)= 0.0321( 3769) wR2(reflections)= wR= 0.0381(  
4591)

S = 2.190 Npar= 93

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 A**

[CHEMW03\\_ALERT\\_2\\_A](#) ALERT: The ratio of given/expected molecular weight as  
calculated from the \_atom\_site\* data lies outside  
the range 0.90 <> 1.10

From the CIF: \_cell\_formula\_units\_Z

32



From the CIF: `_chemical_formula_weight` 323.60

TEST: Calculate formula weight from `_atom_site_*`

atom	mass	num	sum
O	16.00	0.50	8.00
S	32.07	1.00	32.07
Sb	121.75	1.00	121.75

Calculated formula weight 161.82

[SYMMG01\\_ALERT\\_1\\_A](#) Unrecognised `_symmetry_space_group_name_H-M`

International Tables space group number is not in the CIF

From the CIF: `_symmetry_space_group_name_H-M` X-1

Int. Tables space group number for X-1 is 0

[SYMMG02\\_ALERT\\_1\\_A](#) Supplied `_symmetry_space_group_name_H-M` not recognised

From the CIF: `_symmetry_equiv_pos_as_xyz`

```
x,y,z
-x+1/2,-y+1/2,-z
x+3/4,y+1/4,z+1/2
-x+1/4,-y+3/4,-z+1/2
x+1/2,y+1/2,z
-x,-y,-z
x+1/4,y+3/4,z+1/2
-x+3/4,-y+1/4,-z+1/2
x+1/4,y+1/4,z
-x+3/4,-y+3/4,-z
x,y+1/2,z+1/2
-x+1/2,-y,-z+1/2
x+3/4,y+3/4,z
-x+1/4,-y+1/4,-z
x+1/2,y,z+1/2
-x,-y+1/2,-z+1/2
```

These symops generate the Hall space group symbol -f

which is equivalent to the H-M space group symbol

[PLAT043\\_ALERT\\_1\\_A](#) Check Reported Molecular Weight ..... 323.60

[PLAT044\\_ALERT\\_1\\_A](#) Calculated and Reported Dx Differ ..... ?

[PLAT051\\_ALERT\\_1\\_A](#) Mu(calc) and Mu(CIF) Ratio Differs from 1.0 by . 25.00 %

[PLAT129\\_ALERT\\_4\\_A](#) Unusual Space-group Specified ..... X-1

**Comment: All these differences are due to the non-standard axial setting of Kupcık. Platon does not consider the extra centering points (in addition to the F-centering), so some values are calculated incorrectly. Reason why the non-standard cell is used is justified in the text.**

---

### ●Alert level C

[GOODF01\\_ALERT\\_2\\_C](#) The least squares goodness of fit parameter lies outside the range 0.80 <> 2.00

Goodness of fit given = 2.190

[PLAT041\\_ALERT\\_1\\_C](#) Calc. and Reported SumFormula Strings Differ ?

[PLAT068\\_ALERT\\_1\\_C](#) Reported F000 Differs from Calcd (or Missing)... ?

[PLAT120\\_ALERT\\_1\\_C](#) Reported SPGR X-1 Inconsistent with Explicit F-1

[PLAT126\\_ALERT\\_1\\_C](#) Error in or Uninterpretable Hall Symbol ..... -X

[PLAT601\\_ALERT\\_2\\_C](#) Structure Contains Solvent Accessible VOIDS of . 71 Ang3

**Comment: The sample studied is not of ideal quality (mineral), thus the goodness of fit parameter is somewhat above the allowed range.**

**Other alerts are due to the non-standard axial setting.**

---

### ●Alert level G

[FORMU01\\_ALERT\\_2\\_G](#) There is a discrepancy between the atom counts in the  
 \_chemical\_formula\_sum and the formula from the \_atom\_site\* data.  
 Atom count from \_chemical\_formula\_sum: 01 S2 Sb2  
 Atom count from the \_atom\_site data: 00.5 S1 Sb1

[CELLZ01\\_ALERT\\_1\\_G](#) Difference between formula and atom\_site contents detected.

[CELLZ01\\_ALERT\\_1\\_G](#) ALERT: Large difference may be due to a  
 symmetry error - see SYMMG tests  
 From the CIF: \_cell\_formula\_units\_Z 32  
 From the CIF: \_chemical\_formula\_sum 01 S2 Sb2  
 TEST: Compare cell contents of formula and atom\_site data

atom	Z*formula	cif sites	diff
O	32.00	16.00	16.00
S	64.00	32.00	32.00
Sb	64.00	32.00	32.00

[PLAT005\\_ALERT\\_5\\_G](#) No \_iucr\_refine\_instructions\_details in the CIF ?  
[PLAT045\\_ALERT\\_1\\_G](#) Calculated and Reported Z Differ by ..... 0.75 Ratio  
[PLAT063\\_ALERT\\_4\\_G](#) Crystal Size Likely too Large for Beam Size .... 0.95 mm  
[PLAT104\\_ALERT\\_1\\_G](#) The Reported Crystal System is Inconsistent with F-1  
[PLAT110\\_ALERT\\_2\\_G](#) ADDSYM Detects Potential Lattice Centering or Halving . ?  
[PLAT112\\_ALERT\\_2\\_G](#) ADDSYM Detects Additional (Pseudo) Symm. Elem... m

**And 3 other PLAT112 Alerts**

More ...

[PLAT113\\_ALERT\\_2\\_G](#) ADDSYM Suggests Possible Pseudo/New Space-group. P-1  
[PLAT199\\_ALERT\\_1\\_G](#) Check the Reported \_cell\_measurement\_temperature 293 K  
[PLAT200\\_ALERT\\_1\\_G](#) Check the Reported \_diffrn\_ambient\_temperature 293 K  
[PLAT794\\_ALERT\\_5\\_G](#) Note: Tentative Bond Valency for Sb1 (III) 2.21

**And 3 other PLAT794 Alerts**

More ...

[PLAT804\\_ALERT\\_5\\_G](#) ARU-Pack Problem in PLATON Analysis ..... 1021 Times  
[PLAT808\\_ALERT\\_5\\_G](#) No Parseable SHELXL Style Weighting Scheme Found !

- 7 **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
- 21 **ALERT level G** = General information/check it is not something unexpected

- 15 ALERT type 1 CIF construction/syntax error, inconsistent or missing data
- 10 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
- 2 ALERT type 4 Improvement, methodology, query or suggestion
- 7 ALERT type 5 Informative message, check