

Technical Definition

Chemical analysis
Copper/Nickel alloy

Instructions to participant laboratories

Carefully read these instructions **BEFORE** starting the tests.

1. One specimen is supplied to each participant.

Laboratory shall submit a report for each accredited element for each accredited method.

2. For each method, 4 complete analyses shall be performed as follows:

- One technician shall perform all analyses.

One analysis shall be performed on each of four days.

- If the method uses a solution specimen, a new solution shall be made for each analysis.

3. Each participant is required to report the following elements to the indicated precision regardless of their normal practice.

| Kit 8-6-16 | Copper / Nickel Alloy | Precision |
|------------|-----------------------|-----------|
| Cu | Copper | Rest |
| Ni | Nickel | xx.xx |
| Fe | Iron | x.xx |
| Mn | Manganese | x.xx |
| P | Phosphorus | x.xxx |
| C | Carbon | x.xxx |
| Sn | Tin | x.xxx |
| Pb | Lead | x.xxx |
| Co | Cobalt | x.xx |
| Zn | Zinc | x.xxx |
| S | Sulfur | x.xxx |

Figure 1 : Elements and significant digits

4. You will have to submit a separate results form for each method used, completing the elements performed by the method.

Each element shall be reported in Percent Concentration, to the precision (the number of significant digits) indicated.

Non-quantified elements, such as “remainder”, “balance”, “less than”, “not detected,” etc., shall not be reported.

Elements calculated by difference shall not be reported.

Elements shall not be reported in PPM or any other measure than Percent Concentration.

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5. The following additional information is to be reported:
 - Equipment make, model, year
 - Type of reference standard: alloy match, matrix match, none
 - Other means of standardization: please explain
6. Testing may commence as soon as test specimen is received.
7. Instructions for submission of results: when you have performed your tests, please contact info@ptpscheme.com or marie-caroline.fages@ptpscheme.com
8. To ensure the confidential treatment of your results in the final report, you will be allocated a unique identity number when you register for the program.