



Technical Definition

Chemical analysis on Greek Ascoloy 418 stainless steel materail

Instructions to participant laboratories

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

- One specimen is supplied to each participant.
Laboratory shall submit a report for each accredited element and accredited method.
- For each method, the laboratory shall report one value according to its usual process. The laboratory shall also indicate how many analyses (measurements) were performed to obtain this result.
 - One technician shall perform all analyses.
- Each participant is required to report the following elements to the indicated precision regardless of their normal practice.

Element	Symbol	Precision (%)
Aluminium	Al	X,XXX
Carbon	C	X,XXX
Chromium	Cr	X,XXX
Copper	Cu	X,XXX
Hydrogen	H	X,XXXXX
Manganese	Mn	X,XXX
Molybdenum	Mo	X,XXX
Nitrogen	N	X,XXXX
Nickel	Ni	X,XXX
Oxygen	O	X,XXXX
Phosphorus	P	X,XXXX
Sulfur	S	X,XXXX
Silicon	Si	X,XXX
Tin	Sn	X,XXX
Tungsten	W	X,XXX

- Each element shall be reported in Percent Concentration, to the precision (the number of significant digits) indicated. If a laboratory is not able to provide results with the required precision, the values shall not be reported.

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

Elements shall not be reported in PPM or any other unit of measurement than Percent Concentration.

- The following additional information is to be reported:

**Kit 8-3 2017 PTP Metallic****Technical Definition**

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- 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. All participant laboratories must supply results by May 1st, 2017.
 7. Instructions for submission of results are detailed on the website:

<https://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.