



**Kit 15-1 2018 PTP  
Metallic**

## Technical Definition

Apparent Density  
Hastelloy X powder

You shall respect the HSE policy of your laboratory and the recommendations of the MSDS for each performed test.

### *Instructions to participant laboratories*

**Please read carefully these instructions BEFORE starting the tests.**

1. Hastelloy X powder is supplied to each participant. 3 measurements have to be performed. Please refer to the standard for the volume of the test portion. (the mass to be tested varies from 450 to 600 g depending on the used standard)  
Each test has to be performed on fresh powder.

In case of :

- loss or deterioration of PTP material, please contact your sponsor for replacement kit.
  - exclusion of a test result by yourself, you shall provide a short root cause analysis.
2. The powder shall be dried during 1 hour at 80°C prior to testing.
  3. All tests have to be performed at room temperature in accordance with the requirements of **ASTM B417-13, ASTM B703-10, ASTM B212-13 and ISO 3923-1.**

The tests shall be performed respecting the following conditions:

- One operator only
- One testing machine only
- Tests performed in sequence

4. The following information need to be reported:

Characteristic	Unit	Significant digits	Mandatory / Not mandatory	Evaluated Yes/no
Humidity	%	XX,X	Mandatory	No
Temperature	°C	XX,X	Mandatory	No
Type of cup (Carney, Hall, Scott...)	N/A	N/A	Mandatory	No
Density cup volume	cm <sup>3</sup>	XX,X	Mandatory	No
Mass of the powder within the cup	g	X,XX	Mandatory	No
Apparent density	g/cm <sup>3</sup>	X,XX	Mandatory	<b>Yes</b>

All evaluated characteristics will be analysed according to the algorithm A and S (ISO 13528 – 2015) and evaluated using z-score.

5. Testing shall start **as soon as test specimens are received**. Please contact the following e-mail address for any technical or administrative query.

<b>Submission date :</b>	<b>August 31<sup>st</sup>, 2018</b>
<b>Technical and administrative support :</b>	<a href="mailto:info@ptpscheme.com">info@ptpscheme.com</a>



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6. Instructions for submission of results are detailed on the website:

<https://ptpscheme.com/>

7. The sponsors could ask you proofs of your records and analyses, so be sure to conserve data, curves and specimens.

8. Collusion and falsification of your PTP results are totally forbidden. In case of identification or suspicion of collusion or falsification, the laboratory will be excluded from the program and the sponsors will be immediately informed.

### REVISION HISTORY

Issue Date	Issue N°	Changes
11/04/2018	1	Document creation
02/08/2018	2	Modification of the results submission deadline