



**Kit 15-5 2018 PTP
Metallic**

Technical Definition

Particle Size Distribution – Sieve Analysis
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 for all tests on powders.
3 measurements have to be performed. Please refer to the standard for the mass of the test portion.
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 test results 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 **ISO 2591-1 (1988)** and **ISO 3310-1 (2016)**.
Each measurement shall be performed using 200 g of powder.

The tests shall be performed respecting the following conditions:

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

The following sieves shall be used:

125 µm - 90 µm - 63 µm - 45 µm - 32 µm - 25 µm

4. The following information need to be reported:

Characteristic	Unit	Significant digits	Mandatory / Not mandatory	Evaluated Yes/no
Mass of the test portion before the test	g	XXX,X	Mandatory	No
Sum of the mass fractions after the test	g	XXX,X	Mandatory	No
Mass fraction percentages (of the test portion before test) collected in each sieve	%	XX,X	Mandatory	Yes
Number of rotations per minute	Rot/min	XXX	Mandatory	No
Tapping frequency	Taps/min	XXX	Mandatory	No
Time period of sieving	min	XX,X	Mandatory	No

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



**Kit 15-5 2018 PTP
Metallic**

Technical Definition

Particle Size Distribution – Sieve Analysis
Hastelloy X powder

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

Submission date :	August 31st, 2018
Technical and administrative support :	info@ptpscheme.com

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
05/07/2018	2	Specification of the sieve sizes
02/08/2018	3	Modification of the results submission deadline