



**Kit 15-4 2018 PTP
Metallic**

Technical Definition

Particle Size Distribution – Laser method
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. 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 results by yourself, you shall provide a short root cause analysis.
2. All tests have to be performed at room temperature in accordance with the requirements of **ASTM B822-10** or **ISO 13320 (2009)**.

The tests shall be performed respecting the following conditions:

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

3. The following information need to be reported:

Characteristic	Unit	Significant digits	Mandatory / Not mandatory	Evaluated Yes/no
Instrument name and mode	N/A	N/A	Mandatory	No
Calibration method	Text	N/A	Mandatory	No
Particle Size Analyzer (Fraunhofer diffraction, Mie scattering or a combination of both)	N/A	N/A	Mandatory	No
Sample Handling System (Liquid or Gaseous)	N/A	N/A	Mandatory	No
Instrument analysis run time	s	XX	Mandatory	No
Selected range	µm	XX	Mandatory	No
Description of the sample preparation (Name and concentration of surfactant agent, anti-foaming, stirring method...)	N/A	N/A	Mandatory	No
Real refractive index of the dispersing liquid	N/A	X,XX	Mandatory	No
D10	µm	XX,X	Mandatory	Yes
D50	µm	XX,X	Mandatory	Yes
D90	µm	XX,X	Mandatory	Yes

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



**Kit 15-4 2018 PTP
Metallic**

Technical Definition

Particle Size Distribution – Laser method
Hastelloy X powder

4. 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

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

<https://ptpscheme.com/>

6. The sponsors could ask you proofs of your records and analyses, so be sure to conserve data, curves and specimens.
7. 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
16/03/2018	1	Document creation
02/08/2018	2	Modification of the results submission deadline