ptp.

Kit 15-4-2023
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.

   If one result is missing, your test will be considered as an outlier. A RCA shall be completed.

2. All tests have to be performed at room temperature in accordance with the requirements of **ASTM B822-20** or **ISO 13320 (2020)**.

   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	N/A	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 – 2022) and evaluated using z-score.

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 :	**November 30th, 2023**
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. The sponsors could ask you for proof of your results, so be sure to conserve data, curves and specimens.

REVISION HISTORY

Issue Date	Issue N°	Changes
29/09/2023	1	Document creation