


Revision No. 3	Page 1 of 2	<b>Technical Definition</b>
		
<b>Kit 15-3-2020</b> <b>PTP Metallic</b>		
		Flow Rate Inconel 718 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. Inconel 718 powder is supplied to each participant for all tests on powders. 3 measurements have to be performed. Please refer to the standard for the volume of the test portion. (50 g per 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. 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 B213-17 (method 1)** and **ISO 4490 (2018)**.

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
Mass of tested powder	g	XX,X	Mandatory	No
Elapsed time	s	XX,X	Mandatory	No
Calibration factor	N/A	X,XX	Mandatory	No
Hall flow rate - FR <sub>H</sub>	s/50 g	X,X	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>July 1<sup>st</sup>, 2020</b>
<b>Technical and administrative support :</b>	<a href="mailto:info@ptpscheme.com">info@ptpscheme.com</a>

Revision No. 3	Page 2 of 2	<b>Technical Definition</b>  Flow Rate Inconel 718 powder
		
<b>Kit 15-3-2020</b> <b>PTP Metallic</b>		

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. 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
07/01/2020	1	Document creation
24/03/2020	2	Modification of the results submission date
28/05/2020	3	Modification of the results submission date