

Inclusion rate – Picture analysis

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

## Instructions to participant laboratories

Please read carefully these instructions BEFORE starting the tests.

- Three pictures are supplied to each participant One result per picture must be provided. If one result is missing, your test will be considered as an outlier. A RCA shall be completed. The measurements have to be performed on the provided <u>TIFF</u> files.
- 2. The inclusion rate has to be determined within the red rectangle on the picture without modifying the proportions of the picture.
- 3. Each participant is required to determine the following parameter on each picture according to the **ASTM E45-18a** standard :
  - Type of inclusion
  - Severity class for each identified inclusion (one inclusion type by picture) total **thin and heavy** series to be reported.

The tests shall be performed respecting the following conditions:

- One operator only
- One dedicated measurement method
- 4. Results are to be reported as follows for each picture:

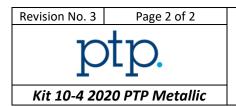
Characteristic	Mandatory / Not mandatory	<b>Evaluated</b> Yes/no
Method description (few words)	Mandatory	No
Type of inclusion	Mandatory	Yes
Thin severity	ity Mandatory Yes	
Heavy severity	Mandatory	Yes

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

The accepted inclusion types will be determined by a metallography expert.

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

Submission date :	July 1 <sup>st</sup> , 2020
Technical and administrative support :	info@ptpscheme.com



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

## https://ptpscheme.com

7. To ensure the confidential treatment of your results in the final report, you will be allocated a unique identity number when you register for the program.

## **REVISION HISTORY**

Issue Date	Issue N°	Changes
09/01/2020	1	Document creation
20/03/2020	2	Modification of the results submission deadline
28/05/2020	3	Modification of the results submission date