

Technical Definition

Porosity – Pictures 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.

1. 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 **TIFF** files provided by e-mail.
2. The percentage has to be determined on the **whole surface** of the picture without modifying the proportions of the picture. The measuring field for each picture is **3,1mm x 2,3 mm**.
3. Determine the porosity percentage in accordance with the approved method routinely used by the laboratory.

The tests shall be performed respecting the following conditions:

- One operator only
- One dedicated measurement method

4. The following information is to be reported:

Characteristic	Unit	Significant digits	Mandatory / Not mandatory	Evaluated Yes/no
Routine measurement method description (few words)	N/A	N/A	Mandatory	No
Percentage of porosity	%	X,X	Mandatory	Yes

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

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 :	May 1st, 2020
Technical and administrative support :	info@ptpscheme.com

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.

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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 proofs of your records and analyses, so be sure to conserve data, curves and specimens.

REVISION HISTORY

Issue Date	Issue N°	Changes
07/01/2020	1	Document creation