


Revision No. 1	Page 1 of 3	Technical Definition Intergranular Corrosion ASTM A262 Practice A & Practice E – Stainless steel
		
PTP & IRR Corrosion 2021		

Please comply with the HSE policy of your laboratory for each test performed.

Instructions to participant laboratories

Please read carefully these instructions BEFORE starting the tests.

Quantity	1 sample
Blank dimension	80 mm x 20 mm
Material	304L stainless steel
Machining	-
Standards	ASTM A262 Practice A & Practice E
Testing conditions	-
Parameters	For Practice E - Sensitization has to be applied Required bend angle is 135° and not 180°.
	For Practice A – Sensitization has to be applied Microscope examination

Each operator is responsible for the entire process according to the laboratory procedures.

All steps of the test shall be conducted in accordance with the laboratory's standard operating procedures/methods with the same diligence as if the sample was submitted by a customer.

The results obtained **on all ordered specimens shall be supplied.**

1. The following information is to be reported:

Characteristics Practice A	Units	Evaluated (Y/N)
Classification of etch structure (ref. ASTM A262-15 Figures 1 to 7)	N/A	Y
Etchant	N/A	N
Magnification used to perform the evaluation	N/A	N
Details of any heat treatment, if required.	N/A	Y

Characteristics Practice E	Units	Evaluated (Y/N)
Details of any heat treatment, if required.	N/A	Y
Bend test radius	mm	N
Final results pass/fail	N/A	Y

All evaluated characteristics of this program will be evaluated on a pass / fail basis as no numerical data results from these tests.

**Technical Definition**Intergranular Corrosion ASTM A262 Practice A & Practice E –
Stainless steel

- Testing shall start **as soon as test specimens are received**. Please contact the following email address for any technical or administrative query.

Submission date :	July 1st, 2021
Technical and administrative support :	info@ptpscheme.com

- Instructions for submission of results are detailed on the website:

<https://ptpscheme.com>

- 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.
- 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. If concerned, the sponsors could ask you proofs of your records and analyses, so be sure to conserve data, curves and specimens.
- The tested specimen does not need to be sent back to the PTP office.

APPENDIX : Instructions for IRR participation

The Internal Round Robin participation (IRR) is **optional** and **independent** from your PTP participation.

Confidentiality: The IRR results and reports are confidential and only accessible by your laboratory. They are not shared with the scheme sponsors or any other accreditation or certification bodies.

The extra samples shall be tested according to the following table:

	Operator 1	Operator 2	Operator 3	Operator 4	Operator X
Test machine 1	PTP kit (1 sample)	1 sample	1 sample	1 sample	1 sample
Test machine 2	1 sample				
Test machine 3	1 sample				
Test machine Y	1 sample				

Operator 1 (OP1) is to be the most experienced operator currently conducting tests on a regular basis and shall perform tests on all machines (TM1, TM2, TM3...)

Test Machine 1 (TM 1) is to be the most utilised machine for this test in your laboratory and shall be tested by all operators (OP1, OP2, OP3...)

Example: A laboratory has 2 operators and 3 test machines. They receive a PTP kit and 3 extra specimens.

Operator 1 shall test the PTP kit on TM1, 1 specimen on TM2 and 1 specimen on TM3.

Operator 2 shall test 1 specimen on TM1.

The IRR results have to be submitted on a separated result form available on the PTP website.

The identification of operators and test machines you provide will appear on the IRR final report. These identifications will not be seen by other laboratories.

The IRR results will be classified against the acceptance classes of the PTP analysis for this test.

Reminder: Laboratories are not permitted to switch specimens between the PTP kit and IRR samples. The traceability of the samples will be checked during the evaluation. Laboratories found to have switched samples will invalidate their PTP participation.

REVISION HISTORY

Issue Date	Issue N°	Changes
30/03/2021	1	Document creation