

MICROSTEEL

ZA DU PLESSIS
35770 VERN SUR SEICHE
France

FOR THE ATTENTION OF

Cyril BAILLY Quality assurance manager
Philippe BERTRAND Laboratory manager

CERTIFICATE PREPARED BY
BOURET Laura

YOUR QTML KEY CONTACT
BOURET Laura

E-MAIL
laura.bouret.external@airbus.com

PHONE
+33 5 82 05 23 09

DATE
18/12/2017

OUR REFERENCE
SUR2017.0429 Ind. A

ARP-ID of the External Shop
182311

TYPE of External Shop
Captive

Attestation letter for Qualification on Test Methods

Dear Madam, Dear Sir,

We herewith inform that the couples <Test Methods / External Shop> as detailed in the Appendix have been either registered or modified in the Official Airbus Qualified Test Methods List (QTML) Database.

The latest valid status of all qualified <Test Methods / External Shop> couples is published by regular QTML reports:

- On Airbus homepage for Suppliers (<http://www.airbus.com/tools/airbusfor/suppliers/>) - Only Independent Labs.
- On Airbus Supply Portal A2QS - All External Shops.

A qualified couple is not linked to a specific product. It is the proof that the External Shop is meeting the requirement of the AP5262: Qualification Process of Couples <Test Method / External Shop>.

We remind you that the maintenance of your Test Methods Qualification depends on your monitoring on quality and technical aspects and is surveyed by Airbus on a regular basis, every year or every 2 years.

- On a quality aspect: we kindly ask you to indicate us any modification which could have a quality impact.
- Concerning technical requirements:
 - * We kindly ask you to participate at least every 2 years to the PTP organized by Exova for the tests you perform on Airbus Products (see Appendix for details on next PTP participation requirements).
You can find all necessary information about PTP participation process on the website: <https://ptp.exova.com>.
In case of PTP results out of tolerances, the couples qualification can be downgraded to an authorisation to proceed or withdrawn and the PTP participation frequency is reduced to one year, subject to acceptance by Airbus of your Root Cause Analysis and associated Corrective Actions.
 - * On the other hand, you shall supply at least every 2 years the results of your Internal Homogeneity Studies per Test Families.

Airbus reserves the right to withdraw or suspend the qualification at any time for specific reason, e.g.

- Any major incident(s) detected on one or several Test processes
- Lack in quality
- Evidence non-compliance with the AP5262
- Loss of Airbus Supplier Approval
- Stop of the Business

Yours faithfully,

BOURET Laura
TM Qualification Engineer - TM PO Central Team
Your QTML Key Contact



MALHOMME Muriel
TM Qualification Manager - TM PO Central Team



Appendix: Matrix of qualified Couples <Test Methods / External Shop>

APPENDIX: Matrix of qualified Couples <Test Methods / External Shop>

We hereby declare the External Shop:

MICROSTEEL

ZA DU PLESSIS
35770 VERN SUR SEICHE
France

CERTIFICATE PREPARED BY
BOURET Laura

DATE
18/12/2017

OUR REFERENCE
SUR2017.0429 Ind. A

ARP-ID of the External Shop
182311

TYPE of External Shop
Captive

Qualified or Authorised to proceed for the following Test processes:

Test Standard(s) *	Test label	Complex.	Qualif. Status	Next PTP part. **	Remark
ASTM E112	Determining average grain size	Low	Qualified	2019	
ASTM E3	Standard guide for preparation of metallographic specimens	Low	Qualified		
ASTM E407	Microetching metals and alloys	Low	Qualified		
EN 2002-7	Hardness testing (for Legacy programs only)	Low	Authorised to Proceed December 2018	2018	
EN 2003-9	Titanium and titanium alloys - Part 9: Determination of surface contamination (method A: Micrographic examination / Method B: Hardness testing)	Low	Qualified	2019	Only method A
ISO 643	Steels - Micrographic determination of the apparent grain size	Low	Qualified	2019	
ISO 6506 (ASTM E10)	Brinell hardness test	Low	Qualified	2019	
ISO 6507 (ASTM E92)	Vickers hardness test	Low	Qualified	2019	
ISO 6508 (ASTM E18)	Rockwell hardness test	Low	Authorised to Proceed December 2018	2018	HRC only
Z_Spectro. OES	Spectrometry: optical emission (OES)		Authorised to Proceed December 2018	2018	INCONEL 718

* Unless otherwise specified, last issue of the standard shall apply.

** Next PTP participation year is given for information - It is the External Shop's responsibility to check every year on the PTP Website (<https://ptp.exova.com/>) which kits are proposed.