

## LUVAK, INC

P.O. Box 597  
722 Main Street  
01505-0597 Boylston  
USA

*FOR THE ATTENTION OF*

Dean GASKILL Technical Director  
Derek LANGLOIS Quality Director

*CERTIFICATE PREPARED BY*  
BOURET Laura

*YOUR QTML FOCAL POINT*  
BOURET Laura

*E-MAIL*  
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*PHONE*  
+33 5 82 05 23 09

*DATE*  
23/10/2019

*OUR REFERENCE*  
SUR2019.0431 Ind. A

*ARP-ID of the External Shop*  
314665

*TYPE of External Shop*  
Independent not referent

### 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).

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

- On Airbus homepage for Suppliers (<https://www.airbus.com/be-an-airbus-supplier.html>) - 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 M20691.2: Perform Couple <Product/Supplier Site> Compliance and Maturity's Activities for Material Products Suppliers and/or M20691.3: Perform Couple <Product/Supplier Site> Compliance and Maturity's Activities for Aerostructure Parts Suppliers.

- 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 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://ptpscheme.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In case of PTP results out of tolerances, the couples qualification can be downgraded to an authorisation to proceed or withdrawn and the PTP participation frequency is reduced to one year, subject to acceptance by Airbus of your Root Cause Analysis and associated Corrective Actions.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 M20691.2 and/or M20691.3
- Loss of Airbus Supplier Approval
- Stop of the Business

Yours faithfully,

**BOURET Laura**  
**Airbus Test Methods Auditor POMDS – CE**  
**Your QTML Focal Point**



**SAUX Alexandra**  
**Test Methods Coordinator POMDS– CE**  
**Your Quality Responsible**



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

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

We hereby declare the External Shop:

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Qualified or Authorised to proceed for the following Test processes:

Test Standard(s) *	Test label	Complex.	Qualif. Status	Next PTP part. **	QCS Ref.	Remark
ASTM E1409	Determination of oxygen and nitrogen in titanium and titanium alloys by the inert gas fusion technique	Low	Qualified	2021		Titanium Leco RH-404 Hydrogen Analyzer, Eltra Elementrac Oxygen-Nitrogen-Hydrogen Analyzer
ASTM E1447	Determination of hydrogen in titanium and titanium alloys by inert gas fusion thermal conductivity / infrared detection method	Low	Qualified	2021		Titanium Leco RH-404 Hydrogen Analyzer, Eltra Elementrac Oxygen-Nitrogen-Hydrogen Analyzer
ASTM E1941	Determination of carbon in refractory and reactive metals and their alloys by combustion analysis	Low	Qualified	2021		Titanium Leco CS-200 Carbon-Sulfur Analyzer, Eltra CS-800 Carbon-sulfur analyzer
ASTM E2371	Analysis of Titanium and Titanium alloys by atomic emission plasma spectrometry	Low	Authorised to Proceed March 2020	2020		Titanium Beckman SpectraSpan VI Direct Current Plasma Emission Spectrometers IDs VI-I , VI-II and VI-III

\* 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://ptpscheme.com/>) which kits are proposed.