

ELEMENT MATERIALS TECHNOLOGY - LOS ANGELES

1857 BUSINESS CENTER DRIVE
91010 DUARTE
USA

FOR THE ATTENTION OF

Richard GREEN Quality Manager
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CERTIFICATE PREPARED BY
NUNEZ Cesar

YOUR QTML FOCAL POINT
NUNEZ Cesar

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DATE
20/03/2019

OUR REFERENCE
SUR2018.0591 Ind. E

ARP-ID of the External Shop
285144

TYPE of External Shop
Independent Cabin

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In case of PTP results out of tolerances, the couples qualification can be downgraded to an authorisation to proceed or withdrawn and the PTP participation frequency is reduced to one year, subject to acceptance by Airbus of your Root Cause Analysis and associated Corrective Actions.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,

NUNEZ Cesar

Airbus Test Methods Auditor POMDT – CE
Your QTML Focal Point



SAUX Alexandra

Test Methods Coordinator POMDT – 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
AITM 1-0003	Determination of the glass transition temperatures (DMA)	High	Authorised to Proceed September 2019			Restricted to Testing Machine ID #: 2785
AITM 2-0002	Resistance of Materials when tested according to the 12 s or 60 s Vertical Bunsen Burner Test	Low	Qualified	2019		Qualified Test Chamber ID: ME1000-3_S/N 014 EC# 1368
AITM 2-0003	Resistance of Materials when tested according to the 15s horizontal bunsen burner test	Low	Qualified	2019		Qualified Test Chamber ID: ME1000-3_S/N 014 EC# 1368
AITM 2-0004	Flammability of non-metallic materials - Small burner test, 45° - Determination of the resistance of material to flame and glow propagation, and to flame penetration	Low	Qualified	2019		Qualified Test Chamber ID: ME1000-3_S/N 014 EC# 1368, S/N 010720132 EC#1254
AITM 2-0005	Flammability of non-metallic materials - Small burner test, 60° - Determination of the resistance of electrical wire insulation materials to flame at 60°	Low	Qualified	2019		Qualified Test Chamber ID: ME1000-3_S/N 014 EC# 1368, S/N 010720132 EC#1254
AITM 2-0006	Determination of heat release and heat release rate of aircraft materials	High	Qualified	2019	150922	Qualified Test Chamber ID: CS-208-206; EC# 1295
AITM 2-0007	Determination of the specific optical smoke density of component parts or sub-assemblies of aircraft interior	High	Qualified	2019	150978	Qualified Test Chamber ID: S/N 90706 EC#1255
AITM 2-0008	Determination of the optical smoke density of electrical and non-electrical cable	High	Authorised to Proceed December 2019	2019		Qualified Test Chamber ID: S/N 90706 EC#1255 QCS Pending
AITM 2-0038	Flammability of non-metallic heat shrinkable tubings - Small burner test, 60° - Determination of the resistance of non-metallic heat shrinkable tubings to flame at 60°	Low	Qualified	2019		Qualified Test Chamber ID: ME1000-3 S/N 014 EC# 1368, S/N 010720132 EC#1254
AITM 3-0002	Analysis of non metallic material (uncured) by differential scanning calorimetry (DSC)	High	Qualified	2021	180858	-Qualification on 20/03/2019 -Testing Machine ID # 2387 (TA 2000)
AITM 3-0005	Determination of specific gas components of smoke generated by aircraft interior materials	High	Qualified	2019	151110	Qualified Test Chamber ID: S/N 90706 EC#1255
AITM 3-0008 (EN 6064)	Determination of the extent of cure by differential scanning calorimetry (DSC)	High	Qualified	2021	180859	-Qualification on 20/03/2019 -Testing Machine ID # 2387 (TA 2000)
ASTM C273	Shear properties of sandwich core materials	Low	Qualified			
ASTM C297	Standard test method for flatwise tensile strength of sandwich constructions	Low	Qualified	2019		

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* 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.