AIRBUS

CRITT MATERIAUX INNOVATION

9 RUE CLAUDE CHRETIEN

08000, CHARLEVILLE MEZIERES

FR

150147

TYPE of External Shop

INDEPENDENT

Attestation letter for Qualification on Test Methods

Dear Madam, Dear Sir,

We herewith inform that the couples 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 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 - All External Test Facilities.

A qualified couple is not linked to a specific product. It is the evidence that the External Test Facility is meeting the requirement of the M20691.2: Perform Couple Compliance and Maturity's Activities for Material Products Suppliers and/or M20691.3: Perform Couple Compliance and Maturity's Activities for Aerostructure Parts Suppliers.

- We ask you to inform AIRBUS about any modification which could affect the current qualification(s).

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, including the surveillance activities (PTP results, Nadcap accreditation, etc)
- Evidence Of non-compliance with the M20691.2 and/or M20691.3
- Loss of Airbus Supplier Approval
- Stop of the Business

Yours faithfully,
The Test Method Central Team

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

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Airbus SAS
Société par actions simplifiée au capital de 2.704.375 Euros
RCS Toulouse 383 474 81

Registered office:
1, rond-point Maurice Bellonte
31700 Blagnac, France

Attestation Issuance Date: 20/12/2024

EX-SITU

Test Methods (TM) as listed in Airbus Commercial Aircraft QTML for

CRITT MATERIAUX INNOVATION - (150147)

Test Standards(s)*	Test label	Complexity	Qualification Status	Limitation	Next External comparision test Participation.**	Technical Qualification Reference	Deviation Reference	Last Qualification Update date
ASTMA262	STANDARD PRACTICES FOR DETECTING SUSCEPTIBILITY TO INTERGRANULAR ATTACK IN AUSTENITIC STAINLESS STEELS	LOW	QUALIFIED WITH LIMITATIONS	ONLY METHODS A AND E				25/01/2023
ASTMB117	STANDARD PRACTICE FOR OPERATING SALT SPRAY (FOG) APPARATUS	LOW	QUALIFIED		2026			25/01/2023
ASTME1019	STANDARD TEST METHOD FOR DETERMINATION OF CARBON, SULFUR, NITROGEN, AND OXYGEN IN STEEL, IRON, NICKEL, AND COBALT ALLOYS BY VARIOUS COMBUSTION AND FUSION TECHNIQUES	LOW	QUALIFIED WITH LIMITATIONS	- DETERMINATION OF C, N & O IN INCONEL	2026			18/12/2023
ASTME112	STANDARD TEST METHODS FOR DETERMINING AVERAGE GRAIN SIZE	LOW	QUALIFIED		2025			25/01/2023
ASTME1409	STANDARD TEST METHOD FOR DETERMINATION OF OXYGEN AND NITROGEN IN TITANIUM AND TITANIUM ALLOYS BY THE INERT GAS FUSION TECHNIQUE	LOW	QUALIFIED WITH LIMITATIONS	WITHOUT NITROGEN DETERMINATION	2025			14/11/2023
ASTME1447	STANDARD TEST METHOD FOR DETERMINATION OF HYDROGEN IN TITANIUM AND TITANIUM ALLOYS BY THE INERT GAS FUSION THERMAL CONDUCTIVITY/INFRARED DETECTION METHOD	LOW	QUALIFIED		2025			25/01/2023

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ASTME3	STANDARD GUIDE FOR PREPARATION OF METALLOGRAPHIC SPECIMENS	LOW	QUALIFIED					25/01/2023
ASTME340	STANDARD PRACTICE FOR MACROETCHING METALS AND ALLOYS	LOW	QUALIFIED					25/01/2023
ASTME407	TEST METHODE FOR MICROETCHING OF METALS AND ALLOYS	LOW	QUALIFIED					25/01/2023
ASTME45	STANDARD TEST METHODS FOR DETERMINING THE INCLUSION CONTENT OF STEEL	LOW	QUALIFIED		2026			25/01/2023
EN2002-1	TENSILE TESTING AT AMBIENT TEMPERATURE	LOW	QUALIFIED WITH LIMITATIONS	WITHOUT YOUNG MODULUS DETERMINATION INTERCHANGEABILITY PER ICY-CS-19772 NOTE- 2 WAYS WITH ASTM B 557 AND ASTME8	2026			25/01/2023
EN2003-10	AEROSPACE SERIES - TITANIUM AND TITANIUM ALLOYS - TEST METHODS - PART 010: SAMPLING FOR DETERMINATION OF HYDROGEN CONTENT	LOW	QUALIFIED		2025			25/01/2023

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EN2003-9	AEROSPACE SERIES - TEST METHODS - TITANIUM AND TITANIUM ALLOYS - PART 009: DETERMINATION OF SURFACE CONTAMINATION	LOW	QUALIFIED WITH LIMITATIONS	METHOD A	2025			25/01/2023
EN3114	AEROSPACE SERIES - MICROSTRUCTURE OF (A+ß) TITANIUM ALLOYS WROUGHT PRODUCTS - PART 1, 2, 3 AND 4	NA	QUALIFIED					13/12/2024
ISO1518-2	PAINTS AND VARNISHES - DETERMINATION OF SCRATCH RESISTANCE - PART 2: VARIABLE-LOADING METHOD	LOW	QUALIFIED					24/04/2024
ISO1519	PAINTS AND VARNISHES - BEND TEST (CYLINDRICAL MANDREL)	LOW	QUALIFIED					25/01/2023
ISO2409	PAINTS AND VARNISHES - CROSS-CUT TEST	LOW	QUALIFIED		2024			25/01/2023
ISO2808	PAINTS AND VARNISHES - DETERMINATION OF FILM THICKNESS	LOW	QUALIFIED		2024			25/01/2023

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ISO2812-2	PAINTS AND VARNISHES - DETERMINATION OF RESISTANCE TO LIQUIDS - PART 2: WATER IMMERSION METHOD	LOW	QUALIFIED		2024			25/01/2023
ISO2813	PAINTS AND VARNISHES - DETERMINATION OF SPECULAR GLOSS OF NON-METALLIC PAINT FILMS AT 20°, 60° UND 85°	LOW	QUALIFIED					25/01/2023
ISO3651-2	DETERMINATION OF RESISTANCE TO INTERGRANULAR CORROSION OF STAINLESS STEELS - PART 2: FERRITIC, AUSTENITIC AND FERRITIC-AUSTENITIC (DUPLEX) STAINLESS STEELS - CORROSION TEST IN MEDIA CONTAINING SULFURIC ACID	LOW	QUALIFIED					25/01/2023
ISO3887	STEELS, NON-ALLOY AND LOW-ALLOY - DETERMINATION OF DEPTH OF DECARBURIZATION	LOW	QUALIFIED		2025			25/01/2023
ISO6270-2	PAINTS AND VARNISHES - DETERMINATION OF RESISTANCE TO HUMIDITY - PART 2: PROCEDURE FOR EXPOSING TEST SPECIMENS IN CONDENSATION-WATER ATMOSPHERES	LOW	QUALIFIED					25/01/2023
ISO643	STEELS - MICROGRAPHIC DETERMINATION OF THE APPARENT GRAIN SIZE	LOW	QUALIFIED		2025			25/01/2023

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ISO6506	METALLIC MATERIALS - BRINELL HARDNESS TEST	LOW	QUALIFIED		2026			25/01/2023
ISO6507	METALLIC MATERIALS - VICKERS HARDNESS TEST	LOW	QUALIFIED		2025			25/01/2023
ISO6508	METALLIC MATERIALS - ROCKWELL HARDNESS TEST	LOW	QUALIFIED		2026			25/01/2023
ISO9227	CORROSION TESTS IN ARTIFICIAL ATMOSPHERES - SALT SPRAY TESTS	LOW	QUALIFIED		2026			25/01/2023
SAEAMS2315	DETERMINATION OF DELTA FERRITE CONTENT	LOW	QUALIFIED					25/01/2023

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ASTME8	STANDARD TEST METHODS FOR TENSION TESTING OF METALLIC MATERIALS	LOW	WITHDRAWN	EN 2002-1 HAS BEEN ESTABLISHED THE MASTER STANDARD ACCORDING TO THE ANALYSIS ABOUT THE TECHNOLOGICAL SCOPE OF TENSILE TESTING OF METALLIC MATERIALS AT ROOM TEMPERATURE (ICY-CS-19772 NOTE). SEE EN 2002-1 FOR INTERCHANGEABILITY WITH ASTM E8					25/01/2023
EN2002-2	TENSILE TESTING AT ELEVATED TEMPERATURE	LOW	WITHDRAWN	STEEL, NICKEL AND COPPER ALLOYS					01/08/2024
ISO148-1	METALLIC MATERIAL - CHARPY PENDULUM IMPACT TEST	LOW	SUSPENDED		2026				05/12/2024
ISO1518	PAINTS AND VARNISHES; SCRATCH TEST	LOW	WITHDRAWN	RESTRICTED TO PART 2					23/04/2024

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