AIRBUS

ELEMENT MATERIALS TECHNOLOGY

1200A WESTINGHOUSE BLVD.

28273, CHARLOTTE

US

310769

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>

* Next PTP participation year is given for information - It is the External Shop's responsibility to check every year on the PTP Website which kits are proposed.

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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: 17/12/2025

EX-SITU

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

ELEMENT MATERIALS TECHNOLOGY - (310769)

Test Standard(s)	Test label	Surveillance Sub Family	Complexity	Qualification Status	Limitation	Next External comparision test Participation.*	Technical Qualification Reference	Deviation Reference	Last Qualification Update date
AITM4-0002	MICROSTRUCTURAL CHARACTERIZATION OF WELDED ALUMINIUM STRUCTURES	MICROSCOPY	LOW	QUALIFIED					
ASTMA604	STANDARD PRACTICE FOR MACROETCH TESTING OF CONSUMABLE ELECTRODE REMELTED STEEL BARS AND BILLETS	MICROSCOPY	LOW	QUALIFIED					
ASTME10	STANDARD TEST METHOD FOR BRINELL HARDNESS OF METALLIC MATERIALS	HARDNESS	LOW	QUALIFIED		2027			24/10/2022
ASTME112	STANDARD TEST METHODS FOR DETERMINING AVERAGE GRAIN SIZE	GRAIN SIZE	LOW	QUALIFIED		2026			
ASTME139	STANDARD TEST METHODS FOR CONDUCTING CREEP, CREEP-RUPTURE AND STRESS-RUPTURE TESTS OF METALLIC MATERIALS	CREEP	LOW	QUALIFIED		2027			
ASTME1409	STANDARD TEST METHOD FOR DETERMINATION OF OXYGEN AND NITROGEN IN TITANIUM AND TITANIUM ALLOYS BY THE INERT GAS FUSION TECHNIQUE	SPECTROSCOPY	LOW	QUALIFIED		2027			16/12/2025

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ASTME1447	STANDARD TEST METHOD FOR DETERMINATION OF HYDROGEN IN TITANIUM AND TITANIUM ALLOYS BY THE INERT GAS FUSION THERMAL CONDUCTIVITY/ INFRARED DETECTION METHOD	HYDROGEN CONTENT	LOW	QUALIFIED		2027			24/10/2022
ASTME18	STANDARD TEST METHODS FOR ROCKWELL HARDNESS OF METALLIC MATERIALS	HARDNESS	LOW	QUALIFIED		2027			21/02/2025
ASTME21	STANDARD TEST METHODS FOR ELEVATED TEMPERATURE TENSION TESTS OF METALLIC MATERIALS	TENSILE	LOW	QUALIFIED		2026			14/03/2025
ASTME3	STANDARD GUIDE FOR PREPARATION OF METALLOGRAPHIC SPECIMENS	MANUFACTURING	LOW	QUALIFIED					
ASTME340	STANDARD PRACTICE FOR MACROETCHING METALS AND ALLOYS	MICROSCOPY	LOW	QUALIFIED					
ASTME384	TEST METHODE FOR MICROHARDNESS OF MATERIALS	HARDNESS	LOW	QUALIFIED		2027			

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ASTME407	TEST METHODE FOR MICROETCHING OF METALS AND ALLOYS	MICROSCOPY	LOW	QUALIFIED					
ASTME45	STANDARD TEST METHODS FOR DETERMINING THE INCLUSION CONTENT OF STEEL	INCLUSION	LOW	QUALIFIED		2025			
ASTME8	STANDARD TEST METHODS FOR TENSION TESTING OF METALLIC MATERIALS	TENSILE	LOW	QUALIFIED		2026			14/03/2025
EN2002-1	TENSILE TESTING AT AMBIENT TEMPERATURE	TENSILE	LOW	QUALIFIED		2026			14/03/2025
EN2002-2	TENSILE TESTING AT ELEVATED TEMPERATURE	TENSILE	LOW	QUALIFIED		2026			03/09/2025
EN2002-6	METALLIC MATERIALS: BEND TESTING	FLEXURE	LOW	QUALIFIED					

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Test Standard(s)	Test label	Surveillance Sub Family	Complexity	Qualification Status	Limitation	Next External comparision test Participation.*	Technical Qualification Reference	Deviation Reference	Last Qualification Update date
EN3114-001	TEST METHOD - MICROSTRUCTURE OF (ALPHA + BÉTA) TITANIUM ALLOY WROUGHT PRODUCTS - PART 1 : GENERAL REQUIREMENTS	MICROSCOPY	LOW	QUALIFIED					21/01/2025
EN3683	AEROSPACE SERIES - TEST METHODS - TITANIUM ALLOY WROUGHT PRODUCTS - DETERMINATION OF PRIMARY A CONTENT - POINT COUNT METHOD AND LINE INTERCEPT METHOD	MICROSCOPY	LOW	QUALIFIED					
EN3684	AEROSPACE SERIES - TEST METHODS - TITANIUM ALLOYS WROUGHT PRODUCTS - DETERMINATION OF TRANSUS TEMPERATURE - METALLOGRAPHIC METHOD	MICROSCOPY	LOW	QUALIFIED					
ISO148-1	METALLIC MATERIAL - CHARPY PENDULUM IMPACT TEST	IMPACT	LOW	QUALIFIED		2027			
ISO4516	METALLIC AND OTHER INORGANIC COATINGS - VICKERS AND KNOOP MICROHARDNESS TESTS	HARDNESS	LOW	QUALIFIED					

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ISO4545-1	METALLIC MATERIALS - KNOOP HARDNESS TEST - PART 1: TEST METHOD	HARDNESS	LOW	QUALIFIED					06/10/2025
ISO6507-1	METALLIC MATERIALS - VICKERS HARDNESS TEST - PART 1: TEST METHOD	HARDNESS	LOW	QUALIFIED		2027			29/10/2025
NASM1312-12	FASTENER TEST METHODS, THICKNESS OF METALLIC COATINGS	THICKNESS	LOW	QUALIFIED					
NASM1312-6	FASTENER TEST METHODS, HARDNESS	HARDNESS	LOW	QUALIFIED					
QVA-Z10-53-00	METALLOGRAPHIC TEST, MACROSCOPIC EXAMINATION, GENERAL INFORMATION	MICROSCOPY	LOW	QUALIFIED					
SAEAMS2315	DETERMINATION OF DELTA FERRITE CONTENT	MICROSCOPY	LOW	QUALIFIED					

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EN3114	AEROSPACE SERIES - MICROSTRUCTURE OF (A+ß) TITANIUM ALLOYS WROUGHT PRODUCTS - PART 1, 2, 3 AND 4	MICROSCOPY	NA	WITHDRAWN						16/04/2025

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