

ELEMENT MATERIALS TECHNOLOGY PILSEN

PODNIKATELSKA 39

301 00, PLZEN

CZ

304743

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
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EX-SITU

Test Methods (TM) as listed in Airbus Commercial Aircraft QTML for ELEMENT MATERIALS TECHNOLOGY PILSEN - (304743)

Test Standard(s)	Test label	Surveillance Sub Family	Complexity	Qualification Status	Limitation	Next External comparison test Participation.*	Technical Qualification Reference	Deviation Reference	Last Qualification Update date
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			27/07/2023
ASTME112	STANDARD TEST METHODS FOR DETERMINING AVERAGE GRAIN SIZE	GRAIN SIZE	LOW	QUALIFIED		2027			
ASTME1181	STANDARD TEST METHODS FOR CHARACTERIZING DUPLEX GRAIN SIZES	GRAIN SIZE	LOW	QUALIFIED					
ASTME139	STANDARD TEST METHODS FOR CONDUCTING CREEP, CREEP-RUPTURE AND STRESS-RUPTURE TESTS OF METALLIC MATERIALS	CREEP	LOW	QUALIFIED		2026			20/09/2022
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 WITH LIMITATIONS	HYDROGEN DETERMINATION IN TI & TI ALLOYS	2026			

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ASTME18	STANDARD TEST METHODS FOR ROCKWELL HARDNESS OF METALLIC MATERIALS	HARDNESS	LOW	QUALIFIED		2026			27/07/2023
ASTME21	STANDARD TEST METHODS FOR ELEVATED TEMPERATURE TENSION TESTS OF METALLIC MATERIALS	TENSILE	LOW	QUALIFIED WITH LIMITATIONS	NOT QUALIFIED FOR YOUNG MODULUS	2026			11/10/2022
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 WITH LIMITATIONS	ALSO QUALIFIED ASTM E92 ACCORDING TO INTERCHANGEABILITY 20774-ICY-CS	2026			03/07/2023
ASTME399	STANDARD TEST METHOD FOR PLAIN STRAIN FRACTURE TOUGHNESS OF METALLIC MATERIALS	FRACTURE	HIGH	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		2026			
ASTME8	STANDARD TEST METHODS FOR TENSION TESTING OF METALLIC MATERIALS	TENSILE	LOW	QUALIFIED WITH LIMITATIONS	NOT QUALIFIED FOR YOUNG MODULUS	2026			06/09/2024
ASTME930	STANDARD TEST METHODS FOR ESTIMATING THE LARGEST GRAIN OBSERVED IN A METALLOGRAPHIC SECTION (ALA GRAIN SIZE)	GRAIN SIZE	LOW	QUALIFIED					
EN2002-1	TENSILE TESTING AT AMBIENT TEMPERATURE	TENSILE	LOW	QUALIFIED WITH LIMITATIONS	NOT QUALIFIED FOR YOUNG MODULUS	2026			06/09/2024
EN2002-2	TENSILE TESTING AT ELEVATED TEMPERATURE	TENSILE	LOW	QUALIFIED WITH LIMITATIONS	NOT QUALIFIED FOR YOUNG MODULUS	2026			13/09/2022

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EN2002-5	TEST METHODS FOR METALLIC MATERIALS - PART 5 : UNINTERRUPTED CREEP AND STRESS-RUPTURE TESTING	CREEP	LOW	QUALIFIED		2026			21/09/2022
EN2003-9	AEROSPACE SERIES - TEST METHODS - TITANIUM AND TITANIUM ALLOYS - PART 009: DETERMINATION OF SURFACE CONTAMINATION	MICROSCOPY	LOW	QUALIFIED WITH LIMITATIONS	LIMITATION TO METHOD A (MICROGRAPHIC EXAMINATION)	2027			03/04/2023
EN2715	MACROGRAPHIC EXAMINATION OF ALUMINIUM AND ALUMINIUM ALLOY WROUGHT PRODUCTS, FORGING STOCK AND FORGINGS	MICROSCOPY	LOW	QUALIFIED					01/12/2023
EN3114-001	TEST METHOD - MICROSTRUCTURE OF (ALPHA + BÉTA) TITANIUM ALLOY WROUGHT PRODUCTS - PART 1 : GENERAL REQUIREMENTS	MICROSCOPY	LOW	QUALIFIED					01/08/2025
EN3683	AEROSPACE SERIES - TEST METHODS - TITANIUM ALLOY WROUGHT PRODUCTS - DETERMINATION OF PRIMARY A CONTENT - POINT COUNT METHOD AND LINE INTERCEPT METHOD	MICROSCOPY	LOW	QUALIFIED WITH LIMITATIONS	METHOD A				01/08/2025

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EN6072	CONSTANT AMPLITUDE FATIGUE TESTING	FATIGUE	HIGH	QUALIFIED		2026			
ISO148-1	METALLIC MATERIAL - CHARPY PENDULUM IMPACT TEST	IMPACT	LOW	QUALIFIED		2026			07/11/2024
ISO643	STEELS - MICROGRAPHIC DETERMINATION OF THE APPARENT GRAIN SIZE	GRAIN SIZE	LOW	QUALIFIED		2026			
ISO6506-1	METALLIC MATERIALS - BRINELL HARDNESS TEST - PART 1: TEST METHOD	HARDNESS	LOW	QUALIFIED		2027			
ISO6507-1	METALLIC MATERIALS - VICKERS HARDNESS TEST - PART 1: TEST METHOD	HARDNESS	LOW	QUALIFIED		2027			
ISO6508-1	METALLIC MATERIALS - ROCKWELL HARDNESS TEST - PART 1: TEST METHOD	HARDNESS	LOW	QUALIFIED		2026			

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Test Standard(s)	Test Label	Surveillance Sub Family	Complexity	Qualification Status	Limitation	Next External comparison test Participation.*	Facility	Technical Qualification Reference	Deviation Reference	Last Qualification Update date
EN2003-5	TEST METHODS FOR STEEL PRODUCTS - PART 5 : CHARPY IMPACT TEST (V NOTCH)	IMPACT	LOW	WITHDRAWN						05/04/2023
ISO6506	METALLIC MATERIALS - BRINELL HARDNESS TEST	HARDNESS	LOW	WITHDRAWN						08/01/2025
ISO6507	METALLIC MATERIALS - VICKERS HARDNESS TEST	HARDNESS	LOW	WITHDRAWN						08/01/2025
ISO6508	METALLIC MATERIALS - ROCKWELL HARDNESS TEST	HARDNESS	LOW	WITHDRAWN						08/01/2025

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