

IFAM-FRAUNHOFER INSTITUT
FERTIGUNGSTECHNIK MATERIALFORSCHG
WIENER STR. 12
28359, BREMEN
DE
160505

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:
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31700 Blagnac, France

EX-SITU

Test Methods (TM) as listed in Airbus Commercial Aircraft QTML for IFAM-FRAUNHOFER INSTITUT - (160505)

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
AITM1-0005	FIBRE REINFORCED PLASTICS DETERMINATION OF INTERLAMINAR FRACTURE TOUGHNESS ENERGY MODE I	FRACTURE	HIGH	QUALIFIED		2025	150338		
AITM1-0053	CARBON FIBRE REINFORCED PLASTIC- DETERMINATION OF FRACTURE TOUGHNESS ENERGY OF BONDED JOINTS-MODE I-G1C	FRACTURE	HIGH	QUALIFIED		2025	150165		
AITM2-0013	DETERMINATION OF SEALANT ADHESION BY LINEAR DEBONDING TEST	PEEL	HIGH	QUALIFIED			130802		15/12/2023
AITM4-0004	CHARACTERIZATION OF OXIDE-LAYERS VIA SCANNING ELECTRON MICROSCOPY	MICROSCOPY	LOW	QUALIFIED					
ASTME3	STANDARD GUIDE FOR PREPARATION OF METALLOGRAPHIC SPECIMENS	MANUFACTURING	LOW	QUALIFIED					
ASTME407	TEST METHODE FOR MICROETCHING OF METALS AND ALLOYS	MICROSCOPY	LOW	QUALIFIED					

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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
EN3665	TEST METHODS FOR PAINTS AND VARNISHES - FILIFORM CORROSION RESISTANCE TEST ON ALUMINIUM ALLOYS	CORROSION	LOW	QUALIFIED					
ISO1518-1	PAINTS AND VARNISHES - DETERMINATION OF SCRATCH RESISTANCE - PART 1: CONSTANT-LOADING METHOD	ADHESION	LOW	QUALIFIED					06/08/2024
ISO2409	PAINTS AND VARNISHES - CROSS-CUT TEST	ADHESION	LOW	QUALIFIED		2026			15/12/2023
ISO2808	PAINTS AND VARNISHES - DETERMINATION OF FILM THICKNESS	THICKNESS	LOW	QUALIFIED WITH LIMITATIONS	- ONLY FOR EDDY CURRENT MEASUREMENT - ONLY FOR MEASUREMENT GREATER THAN 10 MM	2025			16/05/2025
ISO2812-1	PAINTS AND VARNISHES - DETERMINATION OF RESISTANCE TO LIQUIDS - PART 1: IMMERSION IN LIQUIDS OTHER THAN WATER	RESISTANCE TO FLUIDS	LOW	QUALIFIED					15/12/2023
ISO2812-2	PAINTS AND VARNISHES - DETERMINATION OF RESISTANCE TO LIQUIDS - PART 2: WATER IMMERSION METHOD	RESISTANCE TO FLUIDS	LOW	QUALIFIED		2026			15/12/2023

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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
ISO9227	CORROSION TESTS IN ARTIFICIAL ATMOSPHERES - SALT SPRAY TESTS	CORROSION	LOW	QUALIFIED		2026			

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Test Standard(s)	Test Label	Surveillance Sub Family	Complexity	Qualification Status	Limitation	Next External comparision test Participation.*	Facility	Technical Qualification Reference	Deviation Reference	Last Qualification Update date
ISO1518	PAINTS AND VARNISHES; SCRATCH TEST	ADHESION	LOW	WITHDRAWN						05/04/2024

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