

FUNDACION CENTRO TECNOLOGICO  
DE MIRANDA DE EBRO CTME  
MONTANANA PARCELAS R 60 R 61  
09200, MIRANDA DE EBRO  
ES  
298897

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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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

## Test Methods (TM) as listed in Airbus Commercial Aircraft QTML for FUNDACION CENTRO TECNOLOGICO - (298897)

Test Standard(s)*	Test label	Complexity	Qualification Status	Limitation	Next External comparison test Participation. **	Technical Qualification Reference	Deviation Reference	Last Qualification Update date
AITM1-0003	DETERMINATION OF THE GLASS TRANSITION TEMPERATURES	HIGH	QUALIFIED		2025	131010		27/09/2023
AITM1-0019	DETERMINATION OF TENSILE LAP SHEAR STRENGTH OF COMPOSITE JOINTS	LOW	QUALIFIED		2025			
AITM1-0024	DETERMINATION OF THE COMPLETENESS OF CURE OF ORGANIC COATINGS	LOW	QUALIFIED					
AITM1-0025	FIBER REINFORCED PLASTICS FLATWISE TENSILE TEST OF COMPOSITE SANDWICH PANEL	LOW	QUALIFIED		2025			
AITM1-0033	SEALANTS: DETERMINATION OF THE CURING RATE OF SEALING MATERIALS	LOW	QUALIFIED					
AITM1-0036	SEALANTS: DETERMINATION OF ASSEMBLY TIME	LOW	QUALIFIED					

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AITM2-0034	SEALANTS: DETERMINATION OF TACK-FREE TIME OF SEALING MATERIALS	LOW	QUALIFIED					
AITM2-0061	WATER PICK UP TEST-METHOD TO DETERMINE THE IMPREGNATION LEVEL OF PREPEG MATERIALS	LOW	QUALIFIED					
AITM3-0002	ANALYSE NICHTMETALLISCHER WERKSTOFFE (UNGEHÄRTET) MITTELS DYNAMISCHER DIFFERENZKALORIMETRIE	HIGH	QUALIFIED		2025	180315		30/10/2023
AITM3-0003	ANALYSIS OF ORGANIC COMPOUNDS BY INFRARED SPECTROSCOPY	LOW	QUALIFIED					
AITM3-0004	DETERMINATION OF GEL TIME AND VISCOSITY	LOW	QUALIFIED WITH LIMITATIONS	"LIMITED TO METHOD "C""				
AITM3-0008	DETERMINATION OF THE EXTENT OF CURE BY DIFFERENTIAL SCANNING CALORIMETRY	HIGH	QUALIFIED		2025	180316		30/10/2023

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AITM3-0025	BESTIMMUNG DES FESTKÖRPERGEHALTS	LOW	QUALIFIED					
AITM3-0029	DETERMINATION OF IRON (III) AS REACTIVE COMPOUND IN ACIDIC SURFACE TREATMENT BATHS	LOW	QUALIFIED					
AITM3-0030	TITRATION OF SULPHURIC AND TARTARIC ACID IN ANODIZING ELECTROLYTES	LOW	QUALIFIED		2025			21/12/2023
AITM3-0032	ANALYSIS OF METALS IN GALVANIC BATHES BY ICP-SPECTROSCOPY	LOW	QUALIFIED WITH LIMITATIONS	-RESTRICTED TO ANALYSIS OF METALS IN GALVANIC BATHES BY FLAME ATOMIC ABSORPTION SPECTROMETRY	2025			21/12/2023
AITM3-0034	COMBINED DETERMINATION OF FREE HYDROXIDE AND ALUMINIUM IN ALKALINE SURFACE TREATMENT BATHS	LOW	QUALIFIED					
AITM3-0035	DETERMINATION OF CHLORIDE CONTAMINATIONS IN SURFACE TREATMENT BATHS	LOW	QUALIFIED		2025			21/12/2023

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AITM3-0036	DETERMINATION OF HYDROGEN IONS IN SURFACE TREATMENT BATHS	LOW	QUALIFIED		2025			21/12/2023
AITM3-0038	DETERMINATION OF NON-VOLATILE-RESIDUE	LOW	QUALIFIED					
AITM7-0003	SEALANTS: DETERMINATION OF APPLICATION TOME OF SEALING MATERIALS	LOW	QUALIFIED WITH LIMITATIONS	METHODS A AND B				
ASTMB117	STANDARD PRACTICE FOR OPERATING SALT SPRAY (FOG) APPARATUS	LOW	QUALIFIED		2025			
ASTMD2240	STANDARD TEST METHOD FOR RUBBER PROPERTY – DUROMETER HARDNESS	LOW	QUALIFIED WITH LIMITATIONS	TYPE A & D				
ASTMD2556	STANDARD TEST METHOD FOR APPARENT VISCOSITY OF ADHESIVES HAVING SHEAR-RATE-DEPENDENT FLOW PROPERTIES	LOW	QUALIFIED					

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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	LOW	QUALIFIED		2024			
ASTME3	STANDARD GUIDE FOR PREPARATION OF METALLOGRAPHIC SPECIMENS	LOW	QUALIFIED					
EN2243-1	STRUCTURAL ADHESIVES SINGLE LAP SHEAR	LOW	QUALIFIED		2025			
EN2243-2	STRUCTURAL ADHESIVES PEEL METAL-METAL FLOATING ROLLER	LOW	QUALIFIED		2025			
EN2329	AEROSPACE SERIES; TEXTILE GLASS FIBRE PREIMPREGNATES; TEST METHOD FOR THE DETERMINATION OF MASS PER UNIT AREA	LOW	QUALIFIED					
EN2330	AEROSPACE SERIES; TEXTILE GLASS FIBRE PREIMPREGNATES; TEST METHOD FOR THE DETERMINATION OF THE CONTENT OF VOLATILE MATTER	LOW	QUALIFIED					

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EN2331	AEROSPACE SERIES; TEXTILE GLASS FIBRE PREIMPREGNATES; TEST METHOD FOR THE DETERMINATION OF THE RESIN AND FIBRE CONTENT AND MASS OF FIBRE PER UNIT AREA	LOW	QUALIFIED					
EN2332	AEROSPACE SERIES; TEXTILE GLASS FIBRE PREIMPREGNATES; TEST METHOD FOR THE DETERMINATION OF THE RESIN FLOW	LOW	QUALIFIED					
EN2557	AEROSPACE SERIES - CARBON FIBRE PREIMPREGNATES - DETERMINATION OF MASS PER UNIT AREA	LOW	QUALIFIED					
EN2558	AEROSPACE SERIES - CARBON FIBRE PREIMPREGNATES - DETERMINATION OF THE VOLATILE CONTENT	LOW	QUALIFIED					
EN2559	CARBON FIBRE PREIMPREGNATES - DETERMINATION OF THE RESIN AND FIBRE CONTENT AND THE MASS OF FIBRE PER UNIT AREA	LOW	QUALIFIED					
EN2560	AEROSPACE SERIES - CARBON FIBRE PREIMPREGNATES - DETERMINATION OF THE RESIN FLOW	LOW	QUALIFIED					

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EN2561	CARBON FIBRE REINFORCED PLASTICS TENSILE TEST PARALLEL TO FIBRE DIRECTION	LOW	QUALIFIED		2025			
EN2563	CARBON FIBRE REINFORCED PLASTICS DETERMINATION OF APPARENT INTERLAMINAR SHEAR STRENGTH	LOW	QUALIFIED		2024			
EN2564	AEROSPACE SERIES - CARBON FIBRE LAMINATES - DETERMINATION OF THE FIBRE RESIN AND VOID CONTENTS	LOW	QUALIFIED		2025			
EN2850	CARBON FIBRE REINFORCED PLASTICS COMPRESSION TEST PARALLEL TO FIBRE DIRECTION LOAD INTRODUCTION BY SHEAR	HIGH	QUALIFIED WITH LIMITATIONS	""LIMITED TO TYPE B TEST PIECE"" / MODULUS CALCULATION NOT INCLUDED"	2024			
ISO11357-2	PLASTICS – DIFFERENTIAL SCANNING CALORIMETRY (DCS)/ PART 2 – DETERMINATION OF GLASS TRANSITION	LOW	QUALIFIED					
ISO11357-3	PLASTICS – DIFFERENTIAL SCANNING CALORIMETRY (DCS)/ PART 3 – DETERMINATION OF TEMPERATURE AND ENTHALPY OF MELTING AND CRYSTALLIZATION	LOW	QUALIFIED					

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ISO11358	PLASTICS - THERMOGRAVIMETRY (TG) OF POLYMERS	LOW	QUALIFIED					
ISO1183-1	PLASTICS - METHODS FOR DETERMINING THE DENSITY OF NON-CELLULAR PLASTICS - PART 1: IMMERSION METHOD LIQUID PYKNOMETER METHOD AND TITRATION METHOD	LOW	QUALIFIED					
ISO2143	ANODIZING OF ALUMINIUM AND ITS ALLOYS - ESTIMATION OF LOSS OF ABSORPTIVE POWER OF ANODIC OXIDATION COATINGS AFTER SEALING - DYE-SPOT TEST WITH PRIOR ACID TREATMENT	LOW	QUALIFIED					
ISO2360	NON-CONDUCTIVE COATINGS ON NON-MAGNETIC ELECTRICALLY CONDUCTIVE BASIS MATERIALS - MEASUREMENT OF COATING THICKNESS - AMPLITUDE-SENSITIVE EDDY CURRENT METHOD	LOW	QUALIFIED		2025			
ISO2409	PAINTS AND VARNISHES - CROSS-CUT TEST	LOW	QUALIFIED		2025			21/12/2023
ISO2555	PLASTICS – RESINS IN THE LIQUID STATE OR AS EMULSIONS OR DISPERSIONS – DETERMINATION OF APPARENT VISCOSITY BY THE BROOKFIELD TEST METHOD	LOW	QUALIFIED					

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ISO2781	RUBBER VULCANIZED OR THERMOPLASTIC - DETERMINATION OF DENSITY	LOW	QUALIFIED WITH LIMITATIONS	METHOD A				
ISO2808	PAINTS AND VARNISHES - DETERMINATION OF FILM THICKNESS	LOW	QUALIFIED WITH LIMITATIONS	METHODS 4A, 6A, 7C	2025			
ISO2812-2	PAINTS AND VARNISHES - DETERMINATION OF RESISTANCE TO LIQUIDS - PART 2: WATER IMMERSION METHOD	LOW	QUALIFIED		2025			21/12/2023
ISO2818	PLASTICS – PREPARATION OF TEST SPECIMENS BY MACHINING	LOW	QUALIFIED WITH LIMITATIONS	LIMITED TO INTERNAL MACHINING NEEDS AT CTME				
ISO48-4	RUBBER VULCANIZED OR THERMOPLASTIC - DETERMINATION OF HARDNESS - PART 4: INDENTATION HARDNESS BY DUROMETER METHOD (SHORE HARDNESS)	LOW	QUALIFIED					
ISO527-4	PLASTICS - DETERMINATION OF TENSILE PROPERTIES - PART 4: TEST CONDITIONS FOR ISOTROPIC AND ORTHOTROPIC FIBER REINFORCED PLASTIC COMPOSITES	LOW	QUALIFIED					

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ISO527-5	PLASTICS - DETERMINATION OF TENSILE PROPERTIES - PART 5: TEST CONDITIONS FOR UNIDIRECTIONAL FIBRE-REINFORCED PLASTIC COMPOSITES	LOW	QUALIFIED					
ISO868	PLASTICS AND EBONITE - DETERMINATION OF INDENTATION HARDNESS BY MEANS OF A DUROMETER (SHORE HARDNESS)	LOW	QUALIFIED WITH LIMITATIONS	TYPE A AND D				
ISO9227	CORROSION TESTS IN ARTIFICIAL ATMOSPHERES - SALT SPRAY TESTS	LOW	QUALIFIED		2024			

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ASTME2602-09	STANDARD TEST METHOD FOR THE ASSIGNMENT OF THE GLASS TRANSITION TEMPERATURE BY MODULATED TEMPERATURE DIFFERENTIAL SCANNING CALORIMETRY	HIGH	WITHDRAWN					31/03/2023

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