



## AIRBUS ATTESTATION

This attestation is granted to:

**GMA-WERKSTOFFPRUEFUNG GMBH**

JULIUS-LEBER-WEG 24

21684 - STADE - DE

This attestation demonstrates recognition of Airbus Commercial Aircraft qualification for:

- **Special Process (SP):**

03 INSTALLATION, MANUFACTURE, FABRICATION

- **Non Destructive Testing (NDT):**

MATERIAL EVALUATION

ULTRASONIC

*Note:*  
*The official and updated qualification database remains QSPL (Qualified Special Process List) for SP and NDT published on [www.airbus.com](http://www.airbus.com).*

**Special Processes (SP) as listed in Airbus Commercial Aircraft QSPL for**  
**GMA-WERKSTOFFPRUEFUNG GMBH - ( 262425 )**

| Family                                             | Process Specification (PS) Ref | PS Title                                                         | Site | Process Instruction (PI) Ref | PI Title                                                         | Status                     | Expiry Date (In case of authorisation to proceed) | Limitations                                                         |
|----------------------------------------------------|--------------------------------|------------------------------------------------------------------|------|------------------------------|------------------------------------------------------------------|----------------------------|---------------------------------------------------|---------------------------------------------------------------------|
| 03<br>INSTALLATION,<br>MANUFACTURE,<br>FABRICATION | AIPS03-02-019                  | MANUFACTURE OF MONOLITHIC PARTS WITH THERMOSET PREPREG MATERIALS |      | AIPI03-02-019                | MANUFACTURE OF MONOLITHIC PARTS WITH THERMOSET PREPREG MATERIALS | QUALIFIED WITH LIMITATIONS |                                                   | LIMITED TO TEST SPECIMENS MANUFACTURING NOT FOR PART MANUFACTURING. |

**Non Destructive Tests (NDT) as listed in Airbus Commercial Aircraft QSPL for**  
**GMA-WERKSTOFFPRUEFUNG GMBH - ( 262425 )**

| Sub Family          | Process Specification( PS) Ref | PS Title                                                                                | Site | Process Intstruction( PI) Ref | PI Title                                                                                | Status                      | Expiry Date (In case of authorisation to proceed) | Limitations                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|--------------------------------|-----------------------------------------------------------------------------------------|------|-------------------------------|-----------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MATERIAL EVALUATION | AITM6-3006                     | TESTING OF STEELS AFTER MACHINING BY ETCH INSPECTION                                    |      | AITM6-3006                    | TESTING OF STEELS AFTER MACHINING BY ETCH INSPECTION                                    | QUALIFIED WITH LIMITATION S |                                                   | category 5 material                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ULTRASONIC          | AITM6-4005                     | ULTRASONIC PULSE-ECHO INSPECTION OF CARBON FIBRE PLASTICS                               |      | AITM6-4005                    | ULTRASONIC PULSE-ECHO INSPECTION OF CARBON FIBRE PLASTICS                               | QUALIFIED WITH LIMITATION S |                                                   | QCS101059, Issue 2 refers                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ULTRASONIC          | AITM6-4010                     | INSPECTION OF FIBRE COMPOSITES BY ULTRASONIC PHASED ARRAY TECHNIQUE                     |      | AITM6-4010                    | INSPECTION OF FIBRE COMPOSITES BY ULTRASONIC PHASED ARRAY TECHNIQUE                     | QUALIFIED WITH LIMITATION S |                                                   | QCS101059, Issue 2 refers                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ULTRASONIC          | AITM6-4012                     | ULTRASONIC PULSE-ECHO INSPECTION OF GLASS FIBRE REINFORCED PLASTICS                     |      | AITM6-4012                    | ULTRASONIC PULSE-ECHO INSPECTION OF GLASS FIBRE REINFORCED PLASTICS                     | QUALIFIED WITH LIMITATION S |                                                   | QCS101059, Issue 2 refers                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ULTRASONIC          | AITM6-4022                     | ULTRASONIC PULSE-ECHO INSPECTION OF AREAS AROUND FASTENER AND RIVET HOLES IN COMPOSITES |      | AITM6-4022                    | ULTRASONIC PULSE-ECHO INSPECTION OF AREAS AROUND FASTENER AND RIVET HOLES IN COMPOSITES | QUALIFIED WITH LIMITATION S |                                                   | Limited to the perimeter of QCS130525 - Issue 1<br>NDI method: manual ultrasonic pulse-echo inspection of areas around drilled holes<br>Material: M21E 34% / UD134 / IMA 12k; M21E 34% / UD194 / IMA 12k; M21E 34% / UD268 / IMA 12k; including a possible protection glass<br>fibre ply Hexply M21 56%- 1080-1100 mm<br>Structure build-up, part family: A350 parts<br>Thickness range: 1,0 mm to 20 mm<br>Facility: GMA-Werkstoffprüfung, Stade, Germany |

# Non Destructive Tests (NDT) as listed in Airbus Commercial Aircraft QSPL for

GMA-WERKSTOFFPRUEFUNG GMBH - ( 262425 )

| Sub Family | Process Specification (PS) Ref | PS Title                                                            | Site         | Process Instruction (PI) Ref | PI Title                                                            | Status                     | Expiry Date (In case of authorisation to proceed) | Limitations                                                                                                                                                                                                                                                                                |
|------------|--------------------------------|---------------------------------------------------------------------|--------------|------------------------------|---------------------------------------------------------------------|----------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ULTRASONIC | AITM6-4005                     | ULTRASONIC PULSE-ECHO INSPECTION OF CARBON FIBRE PLASTICS           | AIRBUS STADE | AITM6-4005                   | ULTRASONIC PULSE-ECHO INSPECTION OF CARBON FIBRE PLASTICS           | QUALIFIED WITH LIMITATIONS |                                                   | QCS101059 Issue 3 : "NDI method: MUPE<br>Material Type: CFRP M21E /34 UD 194 / IMA 12k<br>Part Family: A330 NEO VTP TA Modul Shells (RH/ LH)<br>Thickness range: up to 12mm (flat, slightly curved and covered by co-bonded ramped structure)<br>Facility/Equipment: USM 35/36 or similar" |
| ULTRASONIC | AITM6-4010                     | INSPECTION OF FIBRE COMPOSITES BY ULTRASONIC PHASED ARRAY TECHNIQUE | AIRBUS STADE | AITM6-4010                   | INSPECTION OF FIBRE COMPOSITES BY ULTRASONIC PHASED ARRAY TECHNIQUE | QUALIFIED WITH LIMITATIONS |                                                   | QCS230143 Issue 1 : "NDI method: SAUPE<br>Material Type: CFRP M21E /34 UD 194 / IMA 12k<br>Part Family: A330 NEO VTP TA Modul Shells (RH/ LH)<br>Thickness range: up to 12mm (flat and slightly curved)<br>Facility/Equipment: Olympus Omniscan MX 2 or similar"                           |
| ULTRASONIC | AITM6-4012                     | ULTRASONIC PULSE-ECHO INSPECTION OF GLASS FIBRE REINFORCED PLASTICS | AIRBUS STADE | AITM6-4012                   | ULTRASONIC PULSE-ECHO INSPECTION OF GLASS FIBRE REINFORCED PLASTICS | QUALIFIED WITH LIMITATIONS |                                                   | QCS230186 Issue 1 : "NDI method: MUPE and SAUPE<br>Material Type: GFK M21 / 37% / 7581<br>Part Family: A330 NEO VTP TA Modul Shells (RH/ LH)<br>Thickness range: up to 12mm (flat and slightly curved)<br>Facility/Equipment: USM 35/36, Olympus Omniscan MX 2 or similar "                |