

APPROVAL

It is hereby certified that the company

GMA Werkstoffprüfung GmbH - Prüfzentrum Augsburg

Bürgermeister-Wegele-Str. 12

D-86167 Augsburg

is qualified for following

SPECIAL PROCESSES

- **Materials Testing**

This qualification is granted under
the conditions and restrictions defined in appendix 1

Marion BLACAS

Special Processes Management

ETLL



Christian WÖRNER

Supplier Quality Management

EDQDA

A blue ink handwritten signature, appearing to read 'Christian Wörner', written in a cursive style.

ANNEX 1

SPECIAL PROCESS : Material Testing

Performed in accordance with the following documents:

- AITM 1-0053 Determination of mode I fracture toughness energy of bonded joints (G1C Test)
- ISO527-5 Plastics – Determination of tensile properties – Part 5: Test conditions for unidirectional fibre-reinforced plastic composites
- EN2243-2 Non-metallic materials - Structural adhesives - Test method Part 2: Peel metal-metal;
- EN2243-3 Non-metallic materials - Structural adhesives - Test method Part 3: Peeling test metal-honeycomb core;
- ISO 11357-5 Differential scanning calorimetry (DSC) – Part 5: Determination of characteristic reaction-curve temperatures and times, enthalpy of reaction and degree of conversion
- DIN EN ISO 6507-1 Metallic materials – Vickers hardness test
- X670M0050X01 AHD Test Procedure in the frame of „Qualified Standard Fastener“ In ATA 29 und 67.

With the following resources:

- N/A

This Qualification is based on the following results:

- Qualification program N°2020-0191
- Special process audit report N°2020-0459
- Corrective actions request validation N/A
- AH Testing Report N°20-092-02-PS1-STA-1-A
- Initial Special Processes approval N°2018-25 A

ANNEX 1

SPECIAL PROCESS : Material Testing

The Qualification is subject to the following specific conditions:

N/A

Restrictions:

- ISO 11357-5 Differential scanning calorimetry (DSC) – Part 5: Determination of characteristic reaction-curve temperatures and times, enthalpy of reaction and degree of conversion

Due to missing calibration of the test equipment below 0° degrees, it is highly recommended that the Company GMA shall test standard materials with known AIRBUS HELICOPTERS parameter, only.

This qualification could be suspended or cancelled at any time in case of decrease in quality. All modifications initiated by supplier must be submitted to Airbus Helicopters for approval. In case of Airbus Helicopters documentation revision, modifications have to be implemented or request for deviation have to be submitted to Airbus Helicopters for approval