HELICOPTERS

ETXLL-SPV 2025-0877

Marignane, November 5th, 2025

APPROVAL

It is hereby certified that the company

ELEMENT HOUSTON (5081583)
YORKTOWN
77040 HOUSTON - USA

is qualified for following
SPECIAL PROCESSES

- Grain size
- ***Micrography***

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

Special Processes Management

Nathalie Mourre - SIG

Signature numérique de Nathalie Mourre - SIG
Date : 2025.11.25 13:51:19 +01'00'

AH Laboratory

Alexandre Gautheron - SIG

Signature numérique de Alexandre Gautheron - SIG
Date : 2025.11.26 08:55:13 +01'00'

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RECORD OF REVISIONS

Issue	Modified by	Description of Change / Modified pages	Date of change
-	M. SMITH ETXLL	Qualification of the following special processes: - **Grain size** - **Micrography**	05.11.2025

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APPENDIX 1

SPECIAL PROCESS : GRAIN SIZE

Performed in accordance with the following documents :

Airbus Documentation :

- ASTM E112 Methods for Determining the Average Grain Size.

Supplier Documentation :

- N/A

With the following resources :

- N/A

This Qualification is based on the following results :

- Qualification program ETXLL-SPV 2024-0551
- Documentation analysis N/A
- Audit report N/A
- Action plan N/A
- AH test report N/A
- Supplier test report N/A

The Qualification is subject to the following specific conditions :

Safety class : N/A
Design applicability : AH/AHD according to L-DEV-03-022.

Restrictions :

None.

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APPENDIX 1

SPECIAL PROCESS : MICROGRAPHY

Performed in accordance with the following documents :

Airbus Documentation :

- EN 3114-001 Aerospace series - Microstructure of (α+β) titanium alloys wrought products - Part 1, 2, 3 and 4.
- ASTM E3 Standard Guide for Preparation of Metallographic Specimens – Micrographic examination.
- ASTM E407 Standard Practice for Microetching Metals and Alloys.

Supplier Documentation :

- N/A

With the following resources :

- N/A

This Qualification is based on the following results :

- Qualification program ETXLL-SPV 2024-0551
- Documentation analysis N/A
- Audit report N/A
- Action plan N/A
- AH test report N/A
- Supplier test report N/A

The Qualification is subject to the following specific conditions :

Safety class : N/A
Design applicability : AH/AHD according to L-DEV-03-022.

Restrictions :

None.

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