

# APPROVAL

It is hereby certified that the company

**ELEMENT MATERIALS TECHNOLOGY Teesside (5081569)  
HOLWICK ROAD RIVERSIDE PARK  
TS2 1QS MIDDLESBROUGH – GREAT BRITAIN**

is qualified for following  
**SPECIAL PROCESSES**

- **Others test methods: Spectroscopy (plasma)**
- **Others test methods: Combustion analysis**
- **Others test methods: Hydrogen content in titanium and alloys**
- **Others test methods: Spectroscopy (gaz fusion)**

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

**Special Processes Management**

**AH Laboratory**

RECORD OF REVISIONS

Issue	Modified by	Description of Change / Modified pages	Date of change
-	M. SMITH ETXLL	Qualification of the following special processes: - <u>Others test methods: Spectroscopy (plasma)</u> - <u>Others test methods: Combustion analysis</u> - <u>Others test methods: Hydrogen content in titanium and alloys</u> - <u>Others test methods: Spectroscopy (gaz fusion)</u>	30.10.2025

HELICOPTERS

ETXLL-SPV 2025-0862

Marignane, October 30<sup>th</sup>, 2025

# APPENDIX 1

**SPECIAL PROCESS :**      **OTHERS TEST METHODS: SPECTROSCOPY (PLASMA)**

**Performed in accordance with the following documents :**

**Airbus Documentation :**

- ASTM E2371      Standard Test Method for Analysis of Titanium and Titanium Alloys by Atomic Emission Plasma

**Supplier Documentation :**

- N/A

**With the following resources :**

- N/A

**This Qualification is based on the following results :**

- Qualification program      ETXLL-SPV 2024-0550
- 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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Marignane, October 30<sup>th</sup>, 2025

# APPENDIX 1

**SPECIAL PROCESS :          OTHERS TEST METHODS: COMBUSTION ANALYSIS****Performed in accordance with the following documents :****Airbus Documentation :**

- ASTM E1941                      Standard Test Method for Determination of Carbon in Refractory and Reactive Metals and Their Alloys

**Supplier Documentation :**

- N/A

**With the following resources :**

- N/A

**This Qualification is based on the following results :**

- Qualification program      ETXLL-SPV 2024-0550
- 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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ETXLL-SPV 2025-0862

Marignane, October 30<sup>th</sup>, 2025

# APPENDIX 1

## **SPECIAL PROCESS : OTHERS TEST METHODS: HYDROGEN CONTENT IN TITANIUM AND ALLOYS**

### **Performed in accordance with the following documents :**

#### **Airbus Documentation :**

- ASTM E1447 Standard Test Method for Determination of Hydrogen in Titanium and Titanium Alloys by the Inert Gas Fusion Thermal Conductivity/Infrared Detection Method

#### **Supplier Documentation :**

- N/A

### **With the following resources :**

- N/A

### **This Qualification is based on the following results :**

- Qualification program ETXLL-SPV 2024-0550
- 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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ETXLL-SPV 2025-0862

Marignane, October 30<sup>th</sup>, 2025

# APPENDIX 1

**SPECIAL PROCESS :**      **OTHERS TEST METHODS: SPECTROSCOPY (GAZ FUSION)**

**Performed in accordance with the following documents :**

**Airbus Documentation :**

- ASTM E1409      Standard Test Method for Determination of Oxygen and Nitrogen in Titanium and Titanium Alloys by the Inert Gas Fusion Technique

**Supplier Documentation :**

- N/A

**With the following resources :**

- N/A

**This Qualification is based on the following results :**

- Qualification program      ETXLL-SPV 2024-0550
- 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