

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

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

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

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

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