

PACKING LIST

DATE: April 8th, 2021

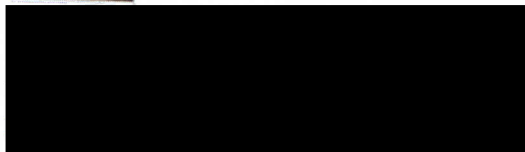
PO NUMBERS : EKO0 01.04.21

PAGE N°: 1 / 1

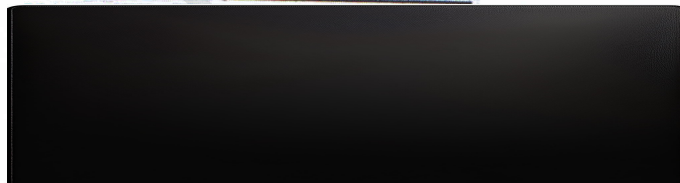
SHIP FROM:

ACNIS International
17 Rue des Frères Lumière
69680 CHASSIEU
France

SHIP TO:



FINAL DELIVERY DESTINATION




PARCEL : one box of 330 cm x 35 cm x 35 cm - 191 KG

ITEM REF	MATERIAL	FORM	DIAMETER	NET WEIGHT		HEAT NUMBER
TI05BL001.6	Titanium 6Al4V ELI	Bars	Ø 1,6 mm	8,80	Kg	PVD4439 / 121345
TI05BL001.6	Titanium 6Al4V ELI	Bars	Ø 1,6 mm	8,90	Kg	PVD5351 / 124619
TI05BL001.6	Titanium 6Al4V ELI	Bars	Ø 1,6 mm	1,46	Kg	PVD3696 / 100707
TI05BL001,6	Titanium 6Al4V ELI	Bars	Ø 1,6 mm	8,60	Kg	8V37036
TI05BL002	Titanium 6Al4V ELI	Bars	Ø 2 mm	7,75	Kg	PVD6167 / 142504
TI05BL002	Titanium 6Al4V ELI	Bars	Ø 2 mm	2,43	Kg	PVD6314 / 146125
TI05BL002.5	Titanium 6Al4V ELI	Bars	Ø 2,5 mm	30,00	Kg	PVD4438 / 116741
TI05BL004+	Titanium 6Al4V ELI	Bars	Ø 4 mm	70,80	Kg	PVD4111 / 101455

In total : 1 wooden box

Total net weight : 138,74 kg

Total gross weight : 191 kg



ACNIS INTERNATIONAL
17 rue des Frères Lumière
69680 CHASSIEU - FRANCE
RCS LYON 380 988 543



ACNIS® INTERNATIONAL
17 rue des Frères Lumière
69680 Chassieu France

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www.acnis-titanium.com

S.A.S. au capital de 500 000€
APE 4672 Z
SIRET 380 988 543 00043
TVA FR 91 380 988 543
EORI FR38098854300043



Perryman company
 213 Vandole Drive Houston, PA 15342 USA
 phone: 724-746-9390 fax: 724-746-9392

Customer: ACNIS International
 17 rue des Frères Lumière
 69680 CHASSIEUR
 France

Certified Test Report
 Heat No: PVD4439
 Melting Source: Perryman Company, USA
 Work Order No: [REDACTED]

Date: 05/01/2018
 Quantity: 53.07 KGS

Customer Order No: 80004500

Specification: ASTM F136-13, ASTM B348-13 Grade 23,
 ISO 5832-3:2016 EN 10204-3.1, EN 2002-1, B-ELI-001 Rev 4
 with Perryman Exceptions Letter(11-13-2017)

Product: Ti 6Al-4V ELI 1.60mm-h7 (+0/-0.014mm) 0.0630" (+0.00/-0.0004") Dia. Fine Wire Bar
 X 3000 - 3100mm 118.125" - 122"

Condition: Annealed
 Part No: TI05BL001.6

Chemistry Wt % ASTM E 1447:

Metallographic Examination: ASTM E 407:

Mechanical Properties
 ASTM E8/EN 2002-001:2005E
 Condition As Shipped

Tensile Strength MPa 1039

Microstructure - Equiax alpha-beta
 Macrostructure - ETT3: A1
 ETT3/ISO 20160:Photo Micrograph
 .2% Yield Strength MPa 888
 Elongation % 14

H: .0010

ASTM E 407: Surface Contamination - No alpha case 500x

Tensile Test also in accordance to ISO 6892:2009.
 Bars 100% visually inspected.
 Circularity, straightness, stress relief, and surface roughness acceptable per specification.
 Chamfer not performed on <3mm per exceptions signed 11-13-2017.
 Eddy current per EN10277-1 (2008) at 3.94mm: Pass.
 Elongation and Reduction of Area per exceptions approved 2017/13/11 by M. Oucherfi

This is to certify that all test results conform to the specifications listed above and that all tests required were performed by Perryman Company.
 The material did not come in contact with Mercury or radioactive contamination at Perryman.
 Attached is a copy of the Ingot Chemistry. All testing performed at room temperature unless otherwise noted.
 The test results relate only to the lots tested and are contained in the records of Perryman Company. The Certified Test Report cannot be reproduced except in full, without written approval.

[Signature] 05/01/18
 Zachary S. Dragan
 Laboratory Manager



Perryman company
 825 Technology Dr., Coal Center, PA 15423 USA

Phone: 724-746-9390 Fax: 724-746-9392
Perryman Company
 213 Vandale Drive
 Houston, PA 15342

CERTIFICATE OF TEST
 For TITANIUM INGOT

WORK ORDER
022780
 Revision: 2

HEAT NUMBER
PVD4439

DESCRIPTION	QUANTITY 12320 Lbs	PCS 1
FORM: Ingot, Grade: Ti6Al4V Eli, Size: 30		

SPECIFICATION CAPABILITY
P-132 Rev 1

Chemistry (WT%) Top													
O	N	C	Fe	Al	V	Si	Cu	Pd	Y	H	B	Ru	
.05	.006	.013	.12	6.41	3.98	.016	.004	<.002	<.001	.0004	<.001	<.001	

Chemistry (WT%) Bottom													
O	N	C	Fe	Al	V	Si	Cu	Pd	Y	H	B	Ru	
.05	.005	.012	.12	6.34	3.94	.016	.004	<.002	<.001	.0006	<.001	<.001	

Comments

Melting Process:
 EBCHR-VAR

Calculated Beta Transus T/B:
 1787F/1784F

Calculated Beta Transus T/B C:
 975C/973C

Comment:

* Revised Residual Elements, each and Residual Elements, total

Residual Elements, each < .03%
 Residual Elements, total < .1%
 Balance Titanium.

Melted in the United States of America.

The material is free of radioactive and mercury contamination.

Oxygen/Nitrogen tested in accordance with ASTM E1409.

Carbon tested in accordance with ASTM E1941.

Hydrogen tested in accordance with ASTM E1447.

B, Y, Pd, Ru tested in accordance with ASTM E2371.

Metallics Tested By Spark-AES in accordance with ASTM E2994.

Elements not required by specification are included in Others(each) and Others(Total)



This material conforms to the chemistry and quality system requirements of the specifications referenced. The results relate only to the lot tested and the results are contained in the records of Perryman Company.

The certificate of test cannot be reproduced except in full without the written approval of the laboratory, and the recording of false, fictitious, or fraudulent statements or entries on this document may be punished as a felony under federal law.

Kevin VonScio
Kevin VonScio
 Laboratory Manager



Perryman company

625 Technology Dr., Coal Center, PA 15423 USA
 phone: 724-746-9390 Fax: 724-746-9392
 Perryman Company
 213 Vandale Drive
 Houston, PA 15342

CERTIFICATE OF TEST
For TITANIUM INGOT

WORK ORDER
028118
 Revision: 1

HEAT NUMBER
PVD5351

	QUANTITY	PCS											
	12490 Lbs	1											
DESCRIPTION													
FORM: Ingot, Grade: Ti6Al4V Eli, Size: 30													
SPECIFICATION CAPABILITY													
P-132 Rev 1													
Chemistry (WT%) Top													
O	N	C	Fe	Al	V	Si	Cu	Pd	Y	H	B	Ru	
.08	.005	.010	.11	6.24	4.06	.012	<.008	<.002	<.002	.0004	<.002	<.003	
Chemistry (WT%) Bottom													
O	N	C	Fe	Al	V	Si	Cu	Pd	Y	H	B	Ru	
.09	.006	.009	.10	6.26	3.91	.011	<.008	<.002	<.002	.0003	<.002	<.003	
Comments													

Melting Process:
 EBCHR-VAR

Calculated Beta Transus T/B:
 1789F/1797F

Calculated Beta Transus T/B C:
 976C/981C

Comment:

*Revised Residual Elements, each and Residual Elements, total

Residual Elements, each < .03%
 Residual Elements, total < .10%
 Balance Titanium.

Melted in the United States of America.

The material is free of radioactive and mercury contamination.

Oxygen/Nitrogen tested in accordance with ASTM E1409.

Carbon tested in accordance with ASTM E1941.

Hydrogen tested in accordance with ASTM E1447.

B tested in accordance with ASTM E2994.

Metallics Tested By XRF in accordance with ASTM E539.

Elements not required by specification are included in Others(each) and Others(Total)



Materials Testing Laboratory

Kevin VonScio
Kevin VonScio
 Laboratory Manager

Date Printed: 05/10/2018

This material conforms to the chemistry and quality system requirements of the specifications referenced. The results relate only to the lot tested and the results are contained in the records of Perryman Company.
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Perryman company
213 Vandale Drive Houston, PA 15342 USA

Customer: ACNIS International
220 Rue Leon Blum
69100 VILLEURBANNE
France

Certified Test Report

Heat No: [REDACTED]
Melting Source: Perryman Company, USA
Work Order No: 100707

Date: 07/19/2016
Quantity: 32.66 KGS

Customer Order No: [REDACTED]

Specification: ASTM F136-13, ASTM B348 gr 23 (2013), ISO 5832-3 (1996), NfS94-080-1 (1997), ACNIS B-ELI001 Rev. 1, BS7252-3: 1997

Product: Ti 6Al-4V ELI 1.60mm-h7 (+0/-0.01mm)
0.0630" (+0.00/-0.0004") Dia. Fine Wire Bar X
3000 - 3100mm (118.125" - 122") Lengths
Condition: Annealed

Part No: TI05BL001.6

Chemistry: Wt% **ASTM E 1447:** Post Processing Hydrogen Determination **H: .0016**
Metallographic Examination: **ASTM E407:** Equiax alpha-beta **ASTM E 407:** Surface Contamination - No alpha case

Mechanical Properties: Tensile Strength **ASTM E407:** A1
Elongation
ASTM E8/EN 2002-001:2005 E
Condition: 2" %
As Shipped MPa 1059 913 14

Tensile Test also in accordance to ISO 6892:2009.
Bars 100% visually inspected.
Circularity, straightness, stress relief, and surface roughness acceptable per specification.
Chamfer not performed on <3mm per email of 2015/05/28.
Eddy current per EN10277-1 (2008) at 3.94mm: Pass.
Elongation and Reduction of Area per exceptions approved 2015/02/25 by S. Fayal.

This is to certify that all test results conform to the specifications listed above and that all tests required were performed by Perryman Company.
The material did not come in contact with Mercury or radioactive contamination at Perryman.
Attached is a copy of the Ingot Chemistry.
The test results relate only to the lots tested and are contained in the records of Perryman Company. The Certified Test Report cannot be reproduced except in full, without written approval.

S. Fayal
07/19/16
Zachary S. Dragan
Laboratory Manager



Perryman company

625 Technology Dr., Coal Center, PA 15423 USA

SHIP TO
Perryman Company
213 Vandale Dr
Houston, PA 15342

CERTIFICATE OF TEST For TITANIUM INGOT

WORK ORDER
018714

HEAT NUMBER
PVD3696

QUANTITY	PCS
12495 Lbs	1

DESCRIPTION
Grade: Ti6Al4V EII
Size: 30"
Form: Ingot

SPECIFICATION CAPABILITY
P-132 Rev 1

Chemistry (WT%) Top

O	N	C	Fe	Al	V	Si	Cu	Pd	Y	H	B	Ru
.089	.006	.012	.11	6.27	4.00	.007	.002	<.002	<.001	.0006	<.001	<.001

Chemistry (WT%) Bottom

O	N	C	Fe	Al	V	Si	Cu	Pd	Y	H	B	Ru
.090	.006	.011	.09	6.27	3.91	.005	.002	<.002	<.001	.0009	<.001	<.001

Comments

Melting Process:
EBCHR-VAR

Calculated Beta Transus T/B:
1796F/1798F

Calculated Beta Transus T/B C:
980C/981C

Residual Elements, each < .10%
Residual Elements, total < .30%
Balance Titanium.

Melted in the United States of America.

The material is free of radioactive and mercury contamination.

Oxygen/Nitrogen tested in accordance with ASTM E1409.

Carbon tested in accordance with ASTM E1941.

Hydrogen tested in accordance with ASTM E1447.

B, Y, Pd, Ru tested in accordance with ASTM E2371.

Metallics Tested By XRF in accordance with ASTM E539.

Elements not required by specification are included in Others(each) and Others(Total)



Page 1 of 1

This material conforms to the chemistry and quality system requirements of the specifications referenced. The results relate only to the lot tested and the results are contained in the records of Perryman Company.
The certificate of test cannot be reproduced except in full without the written approval of the laboratory, and the recording of false, fictitious, or fraudulent statements or entries on this document may be punished as a felony under federal law.

Terrance J. Marth
Laboratory Supervisor

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Date Printed 07/30/2015



PRODUCT CERTIFICATION

WORK ORDER
091008

SALES ORDER / RLS
048258 / 003

SOLD TO

ACNIS International
220 rue Léon Blum
Villeurbanne, 69100
France

Quality System is registered
to ISO 9001:2008 and AS9100:2009

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	LADING NO	SHIPMENT DATE						
	TI05BL001,6	33 lbs	00068325	06/09/2014						
PART INFORMATION										
121DL1FNZ00630										
TI 6AL 4V ELI FW CGB - 1,60 mm (0.0630") Dia.										
Specifications: ASTM F 136 Rev: 13; ISO 5832-3 Rev: 96; EN 2002-001 Rev: 2005; EN 10204 3.1 Rev: 04; ETTC 3 Rev: ; ETTC 2 A1 - A5 Rev: 1979										
Size: 1.6mm (0.0630") dia +0"/-0.0007" (+0mm/-0.018mm)										
Length: 3000 mm (118.1") -0 mm / + 100 mm (-0"/+3.937")										
with the option to ship max 10% of shorts down to 6' min.										
Chemical Report (Wt.%)										
Heat	Al T	Al B	C T	C B	Fe T	Fe B	N T	N B	O T	O B
8V37036	6.05	6.04	.012	.010	.16	.17	.004	.005	.12	.11
V T	V B	Y T	Y B	Ti	Ot E	TOE				
3.90	3.95	<.005	<.005	BAL	<.10	<.30				
Hydrogen (As Shipped)										
Hydrogen (%)										
0.0027										
As Shipped Properties										
UTS #1 (Mpa)	YS 0.2% #1 (Mpa)	EL #1 (%)								
1001	924	11								
Metallography Results										
Pub. ETTC 2										
A1										
Microstructure										
Acceptable										
Macrostructure										
Acceptable										
Material Data										
<p>ACNIS INTERNATIONAL Le Titane de "A à Z" 220, rue Léon Blum - 69100 VILLEURBANNE Tél. 00 33 (0)4 72 14 55 00 Fax. 00 33 (0)4 72 14 55 09 RCS LYON B 380 988 04</p>										



PRODUCT CERTIFICATION

WORK ORDER
091008

SALES ORDER / RLS
048258 / 003

SOLD TO

ACNIS International
220 rue Léon Blum
Villeurbanne, 69100
France

Quality System is registered
to ISO 9001:2008 and AS9100:2009

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	LADING NO	SHIPMENT DATE
[REDACTED]	TI05BL001,6	33 lbs	00068325	06/09/2014
Melt Source RTI Niles	Melt Origin USA	Melt Type PAM-VAR		
Bt Tr °F 1783	Bt Tr °C 973			

Certification Information

As Shipped Condition

Annealed 1450°F (788°C) 1 Hr. A/C.

CERTIFICATION REQUIREMENTS

- Material free of Alpha Case.
- Material free of mercury and radioactive contamination.
- Macrostructure according to ETTC 3 Group(A), Level 10.
- Hydrogen taken from finish material.
- Material eddy-current tested at a previous diameter.
- Material certified in accordance with the requirements of EN 10204 3.1.
- Material visually inspected at finish. Circularity: half of the diameter tolerances max.
- Straightness: 1mm / 1m aim at .05mm / 1m.
- Material was drawn, annealed and centerless ground.
- Revision#1 07/29/2014: Added Eddy current, Circularity, Straightness, EN 10204 3.1 Statements.
- Revision#2 02/06/2015: Added Process Statement.

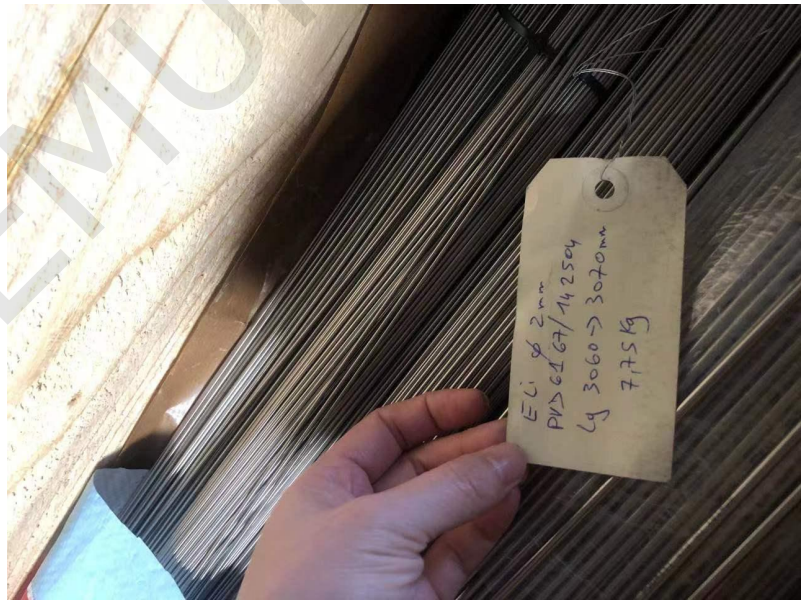
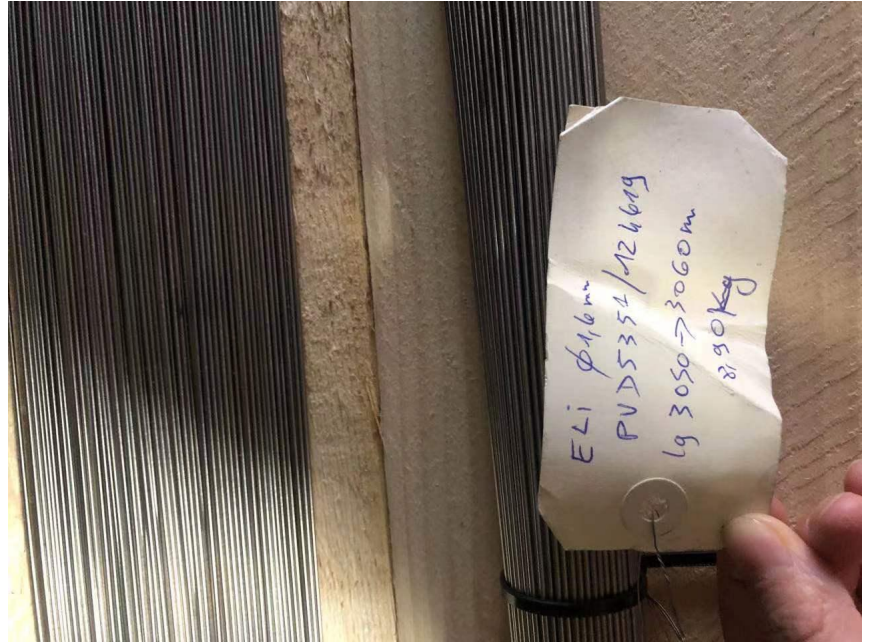
Jamie L. Burrows

Jamie L. Burrows
Administrator II - Quality

End of Certification

This is to certify that the above test results are correct as contained in the records of the company.

Certification shall not be reproduced except in full without the approval of Dynamet Inc. The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal Law.



PACKAGE : ONE BOX OF 330 cm X 35 cm X 35 cm - 191 KG

ITEM REF	MATERIAL	FORM	DIAMETER	NET WEIGHT		HEAT NUMBER
TI05BL001.6	Titanium 6Al4V ELI	Bars	Ø 1,6 mm	8,80	Kg	PVD4439 / 121345
TI05BL001.6	Titanium 6Al4V ELI	Bars	Ø 1,6 mm	8,90	Kg	PVD5351 / 124619
TI05BL001.6	Titanium 6Al4V ELI	Bars	Ø 1,6 mm	1,46	Kg	PVD3696 / 100707
TI05BL001,6	Titanium 6Al4V ELI	Bars	Ø 1,6 mm	8,60	Kg	8V37036
TI05BL002	Titanium 6Al4V ELI	Bars	Ø 2 mm	7,75	Kg	PVD6167 / 142504
TI05BL002	Titanium 6Al4V ELI	Bars	Ø 2 mm	2,43	Kg	PVD6314 / 146125
TI05BL002.5	Titanium 6Al4V ELI	Bars	Ø 2,5 mm	30,00	Kg	PVD4438 / 116741
TI05BL004+	Titanium 6Al4V ELI	Bars	Ø 4 mm	70,80	Kg	PVD4111 / 101455

In total : 1 wooden box

TREMUN

INFORME DE ENSAYOS

TEST REPORT

Número
Number

E-14628.00002

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of

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Páginas
Pages

metaltest
laboratorio de ensayos y verificación 3D

METAL-TEST, S.L.

Pol. Ind. del Circuit C/ Mas Moreneta, esq. Can Cabanyes
08160 Montmeló Barcelona Tel.: 935645453

ASUNTO

Subject

**DETERMINATION OF THE CHEMICAL COMPOSITION IN
PIERCING. REF.: MT17152**

SOLICITANTE

Applicant

Tremun Piercing
Calle Rocafort 67, Oficina 1A
BARCELONA

FECHA/S DE ENSAYO

Date of test

30/06/2023 - 13/07/2023

PERSONA QUE AUTORIZA

Person authorizing

FECHA DE EMISIÓN

Date of issue



Anna Marín
Firmado 13/07/2023
Metaltest, S.L.
B08720872

Los valores del informe se refieren a la muestra y al momento y las condiciones en que se efectuó el ensayo. El informe de ensayo no podrá ser reproducido parcialmente sin la autorización por escrito de METAL-TEST.

The report values are referred to the sample and to the moment and conditions under which the test was made. The report can not be partially reproduced without the written authorization of METAL-TEST.

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TREMUN

PRELIMINARY INFORMATION

Designation: Piercing

Material: Ti6Al-4V ELI s/ASTM F136

Reference: MT17152



Picture n°1. Photograph of the received sample

Preliminary information provided by the customer. METAL-TEST is not responsible for the data indicated in this section.

ENSAYOS QUÍMICOS**- CHEMICAL ANALYSIS**

Test procedure : PEE-LMT-002 / PEE-LMT-015

Environmental conditions:

Temperature: 20°C ± 3°C

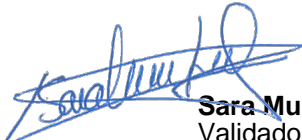
Date of test: 29/06/2023 - 11/07/2023

Equipment	Serial nº	Code
Balanza analítica	FNR 38698	E-0.049
Espectrómetro I.C.P. (ICP-OES)	iCAPPRO10048	E-0.086
Registrador Condiciones Ambient.	US37034118-19031516	T-0.903/3

MT17152

Carbon (C):	0,024 %
Iron (Fe):	0,077 %
Aluminum (Al):	6,1 %
Vanadium (V):	3,86 %
Hydrogen* (H)*:	0,006 %
Nitrogen* (N)*:	0,007 %
Oxygen* (O)*:	0,12 %

*Analysis carried out in an external laboratory. See report no. 472069.

**Sara Muñoz López**
Validado 13/07/2023
Metaltest, S.L.
B08720872

COMMENTS

The analysis has been carried out selecting different samples at random.

The chemical composition corresponds to a titanium alloy of the specified quality TiAl6V4 according to ASTM F136.

TREMUN