

DECLARATION DE CONTROLE ET DE CONFORMITE
STATEMENT OF INSPECTION AND CONFORMITY

Numéro de lot Lot number **F919766**



Date : 26-09-14 Page : 2(2)

BLANC AERO INDUSTRIES

Sigle social
 46-50, Quai de la Rape - CS 11 233
 75583 Paris Cedex 12

FRANCE

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Fax: +33 (0)1 40 19 82 01

RCS PARIS - SIREN 395 001 852/00049

BLANC AERO INDUSTRIES

Etab. Villefranche-de-Rouergue

18 rue Jean Vauris - BP298

F-12202 Villefranche de Rouergue Cedex

Tel : +33 (0)5 65 45 12 15

Fax: 33 (0)5 65 45 47 02

Rapport de contrôle dimensionnel et visuel
 Inspection report - Dimensional inspection

IVD + ALODINE + CETHYL ALCOOL

Resultats
 Results

Unité
 Unit

Opérateur
 Operator

Nous déclarons que la fourniture citée est conforme aux exigences du contrat et que, après vérifications et essais, elle répond en tout point aux exigences spécifiées, aux normes, et règlements applicables, sauf exceptions, réserves ou dérogations énumérées dans la présente déclaration.
 We hereby declare, barring exceptions, reservations, or exemptions listed in this statement of conformity, that the listed supplies comply with the contract requirements and that, after completion of testing and verification, they completely satisfy all specified.

Nom et fonction
 Name and title

Tampon
 Stamp

C. COMBES
 Quality Delegation n°131

Signature

(Handwritten signature)

Date 26-09-14



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

ul 1526
AR327

Date: 03-18-14
Weight: 1364 KGS.

CERTIFIED TEST REPORT

Customer: **BLANC AERO INDUSTRIES**
12 rue JEAN VAURS
12200 VILLEFRANCHE DE ROUERGUE
FRANCE

Customer Order No: 10079
Customer Order Date: 03-18-14
Specification: DTM 104 Issue J, AMS 4967K
AMS 4928T, EN 4267:2001E

Heat No: PVD2555
Melting Source: PERRYMAN COMPANY
Work Order No: 075361

Product: TI-6AL-4V .1862/.1866" DIA. 3X COIL
Condition: ANNEALED 760 C - 2 HOURS

Chemistry: Wt %

Metallographic Examination: ASTM E 1447: Post processing Hydrogen Determination H: .0012
ASTM E 407: Microstructure - Equiax alpha-beta

Mechanical Properties:

ASTM E 407: Surface Contamination - No alpha case

Condition

As shipped

Tensile Results - ASTM E8 / EN 2002-001:2005 E			
Tensile Strength Mpa	Elongation 4D %	Reduction Of Area %	Shear Results NASM1312-13 Shear Strength, Mpa
1122	18	43	0 90

Solution treated and aged
954 C - 1 hour - WQ
538 C - 4 hours - AC

1245 11 52

Solution treated and aged
927 C - 1 hour - WQ
500 C - 4 hours - AC

1224 1111 11 52 731 722 732 723

This is to certify that all test results conform to the specifications listed above and that all tests required were performed by Perryman Company. 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.

Zachary S. Dragan
Zachary S. Dragan
Laboratory Manager

Perryman company

625 Technology Dr., Coal Center, PA 15423 USA
phone: 724-746-9390 Fax: 724-746-9392

SHIP TO:
Perryman Company
213 Vandale Dr
Houston, PA 15342

CERTIFICATE OF TEST For TITANIUM INGOT

WORK ORDER
012795

HEAT NUMBER
PVD2555

QUANTITY
12615 Lbs PCS
1

DESCRIPTION
Grade: Ti6Al4V
Size: 30"
Form: Ingot

SPECIFICATION CAPABILITY
P-101 Rev 5

Chemistry (WT%) Top

O	N	C	Fe	Al	V	Si	Cu	Pd	Y	H	B	Ru
.14	.007	.016	.18	6.27	4.00	.020	.004	<.002	<.001	.0004	<.001	<.001

Chemistry (WT%) Bottom

O	N	C	Fe	Al	V	Si	Cu	Pd	Y	H	B	Ru
.16	.010	.016	.15	6.50	4.05	.019	.005	<.002	<.001	.0004	<.001	<.001

Comments

Melting Process:
EBCHR-VAR

Calculated Beta Transus T/B:
1813F/1832F

Calculated Beta Transus T/B C:
989C/1000C

Residual Elements, total < .3%
Residual Elements, each < .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 BY ICP.
Metallics by Spark-AES.

Page 1 of 1



Materials Testing Laboratory

Terrance J. Martin
Terrance J. Martin
Laboratory Supervisor

Page 1

Date Printed 10/07/2013

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

DECLARATION DE CONTROLE ET DE CONFORMITE STATEMENT OF INSPECTION AND CONFORMITY

Numéro de lot Lot number **744913**

FASTENER TECHNOLOGY BESTAS
EGE SERBEST BOLGESI
AYFER SOK n21
GAZEMIR - IZMIR TURKEY

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No d'agrément Approval No :
AS9100C / EN9100:2009
Certificate No. FR006570
File No. 6037187-Rev.0

Date : 14-05-14 Page : 1(1)

Code article Item No
Dés. Article Item Description
Article client Customer Item
Désign. Client Customer Part

Plan standard Drawing Standard

Révision & date Rev & Issue date

Spéc. de réception Technical spec No

Type pièce Part Type

ASNA2001

U-01/12/98

NAS 621

BOLT

No d'AR/Ligne/Date Order Ack/Line/Date

No d'OF/Référence client MO No/Customer Ref.

Quantité produite Manufactured Qty

Date clôture POF MO Date Valid

0011884213/000015/11-04-14

0744913 / 0919766

25890 PCE

14-05-14

Matière première Raw Material

Code article Item No
No de coulée Heat Number
Spec. d'appro Procurement Spec No

Désignation Material

Numéro de lot Lot number

W T1-8Al-4V FIL 4,730/740 T "COTES FINIES"

AR327-FTB

Fournisseur Material Source

Elaborateur Melt Source

PERRYMAN COMPANY

PERRYMAN COMPANY

Rapport de Laboratoire : essais métallurgiques et physico-chimiques
Metallurgical & Physico-Chemical Tests

Metallurgical Test

OVERHEAT

Mag: 100 X unless otherwise specified

ALPHA CASE

Mag: 400 X unless otherwise specified
specimen number 15 (Result < .0017)

MICROGRAPHY

Mag: 100 X unless otherwise specified

HEAD MACRO

THREAD MACRO

No d'archive File No	Résultats Results	Unité Unit	Opérateur Operator
142287	CONFORME	CF	QC39
142287	CONFORME	CF	QC39
142287	CONFORME	CF	QC39
142287	CONFORME	CF	QC39
142287	CONFORME	CF	QC39

Validation des Rapports de Laboratoire :
Validation of Laboratory Reports

Rapport de contrôle
Control Report

IT report number :

HTT Report Numb

Rapport de contrôle non-destructif
Non-destructive Control Report

NDT Report Numb

FPI

Rapport de contrôle dimensionnel et visuel
Dimensional and Visual Control Report

DIMENSIONAL INSPECTION

FI Report Numb

VISUAL INSPECT

SURF. TEXT. INS

DIM INSPECTION

MARKING INSPECT

T108/S/D
PC206

T080/014
CONFORME
CF
QC8

3096-14
CONFORME
CONFORME
CONFORME
CONFORME
CF
CF
CF
CF
QC40
QC40
QC40
QC40

**FTB Certifies That
This is a True Copy Of
the Original Document**

Je déclare que la fourniture citée est conforme aux exigences du contrat et que, après vérifications et essais, elle répond en tout point aux exigences spécifiées, aux
I declare that the supply cited is in accordance with the contract requirements and that, after verifications and tests, it complies in all respects with the specified requirements,
by declaring, barring exceptions, reservations, or exemptions listed in this statement of conformity, that the listed supplies comply with the contract requirements and
after completion of testing and verification, they completely satisfy all specified.

et fonction
and title

H. TUNSEK

Tampon
Stamp

QC
27

Signature

Date 14-05-14