Alcoa · Fastening Systems
ALCOA

Aerospace Products
Hildesheim Operations

Steven 3
D-31135 Hildesheim
Tel.: 49 5121 7624 0
Fax: 49 5121 7624 54

Attention: The copying of extracts of this certificate is inadmissible!
Falsified, fictitious or fraudulent statements or entries may be punished as a felony under United States federal law.

Laboratory Test Report No.: B201315063 LOT NO.: 16633706

The parts contained in this shipment meet the requirements of the applicable drawings and specifications.

Inspection records are on file and are available on request of the procuring agency.

Negatives of metallurgical mounts are retained 10 years for review.

Reviewed by _____ Date 29.10.2013
Setup Date 29.10.2013

Customer:	**BE Aerospace Consumables**	Material:	**TI6AL-4V SMART COIL**
P.O.NO.:	**0NFB61**	Mat'l Spec.:	**AMS4928S/AMS4967K/ VSM1365L**
Part Number:	**EN6114K4Y-8 Rev.P7 01.08.2010 EN6114K4Y8**	Prod. Spec.:	**EN6116, Rev. 01.09.10 P4;**
Quantity:	**250**	NDT:	**ASTM E 1417/E1417M, Rev.11**
Lot Quantity:	**495**	Threads:	**AS8879, Rev. 01.08.04 D**
		Heat. No.:	**PVD2128**
Request for Deviation No.:		HeatTreatment Spec.:	**AMS2801**
Remarks:	**VS64015**	Raw Material Lot. No.:	**R769904**

Surface: **Aluminium pigmented coating per EN4473**
Cetyl alcohol EN6117
Colour code WHITE on thread end

Alcoa · Fastening Systems
ALCOA
Aerospace Products
Hildesheim Operations

Steven 3
D-31135 Hildesheim
Tel.: 49 5121 7624 0
Fax: 49 5121 7624 54

Attention: The copying of extracts of this certificate is inadmissible!
Falsified, fictitious or fraudulent statements or entries may be punished as a felony under Unites States federal law.

Laboratory Test Report No.: B201315063 LOT NO.: 16633706

Micro Examination

Sample Size	4
Material Type	TI6AL-4V SMART COIL
Surface Contamination	conform
Grain Size	NA
Macro Structure	conform
Micro Structure	conform
Magnification	100x
Etching Solution:	5% HF,95% H2O dest.
Discontinuities	conform
Broach Cracks	none
IGC	none

Plate Thickness conform per Spec.
see surface page 1

Torque

Req. Value	NA
Sample Size	
Analyses	

Hardness ()

Req. Value	NA
Sample Size	
Analyses	
Max.	
Min.	
∅ =	
σ_{n-1} =	
Remark:	

Hydrogen (ASTM E 1447, Rev. 05)
Max. per Spec.: 125 ppm
Actual: 38 ppm

Fatigue	**Tensile**	**Shear**
NA	Req. Value NA	Req. Value NA
Req. Cycles	N/DIA/N/mm²/Loc.	N/DIA/N/mm²
Specification:	Specification:	Specification:
Machine / Model:	Machine / Model:	Machine / Model:
Visa:	Visa:	Visa:
Remark:	Remark:	Remark:

Stress Durability: / NA /

Salt Spray Testing: (NA /) Sample Size:

Alcoa Fastening Systems
ALCOA

Aerospace Products
Hildesheim Operations

aerospace sector certification scheme

EN 9100:2003, AS9100 Rev.B
BS EN ISO 9001:2000 Certificate NoFM500730

Steven 3
D-31135 Hildesheim
Tel.: 49 5121 7624 0
Fax: 49 5121 7624 54

LIEFERSCHEIN A0177857

BE Aerospace Consumables
Nordportbogen 6
22848 Norderstedt, D
Deutschland

Rechnungsanschrift:
B/E Aerospace, Inc.
Consumables Management
10000 NW 15th Terrace
Miami, FL, USA 33172
USA

Datum: 29.Okt.2013
Seite: 1

Ihre EB-Nr: 0NFB61
Bemerkung: UPS Account 69A081
Versandart: unfrei UPS Acc. 69A081
Zahl.-Bed.:
Lieferbed.: Ab Werk
Spediteur:
SLB-Nr:
Vers. an: 00010556 **Abladeort:**

Bei Korrespondenz und Rückfragen bitte immer mit angeben

LS-Nr.: **A0177857**

Kundennr.: 20211121
Auftrags-Nr.: VS64015
Auftrags-Dat.: 15/03/13
USt.-ID: DE276905993

Pos	Artikelnummer	Charge/Serie	Menge	ME	Liefertermin	Nettogewicht
15	EN6114K4Y-8 VERI-LITE EN6114K4Y8	prEN6116 16633706	250 250	St		0,000 kg
					Summe Netto:	0,000 kg

Abmessungen Länge	Breite	Höhe	Paket Nummer	Bruttogewicht
28,00	20,00	10,00	7788	01,00

1Z6758276854888453/UPS

CERTIFICATION OF CONFORMANCE AND AFFIDAVIT

Seller hereby certifies that the raw materials used in the performance of this contract meet the chemical and physical requirements of applicable material and/or procurement specifications.

Seller further certifies that metallurgical examinations and physical tests of finished product, when required by contract, are reported. Metallurgical and physical test reports are on file and available for examination by customer.

For actual individual physical and chemical test results, identifiable by part number, inspection lot number and material supplier's heat number for the inspection lot from which shipment was made, refer to seller's certified test report, if applicable.

Seller further certifies that dimensional, fluorescent penetrant or magnetic particle inspections have been performed as required by applicable drawings and/or specification requirements. Records of such inspections are available upon request.

The Quality Management System arrangements in respect of these supplies comply with the requirements of BAE SYSTEMS, Approval No. RALOA/00186/3 and BAE/AG/30117/MAA and Airbus SAS, Approval No. 90972 and Saab AB ISO 9002, Approval No. 2001-G.113. Fairchild Fasteners Europe - VSD GmbH holds ISO 9001:2008; EN 9100:2009 Certification and PRI/NADCAP SAE AS 7003 for Materials Testing, Approval No. 117033.

Fairchild Fasteners Europe - VSD GmbH
Quality Assurance

Sämtliche Verkäufe und Lieferungen erfolgen ausschließlich nach Maßgabe der Allgemeinen Verkaufs- und Lieferbedingungen der Fairchild Fasteners Europe - VSD GmbH