

n° lot. 34636

Zapp Precision Metals GmbH, Postfach 17 20, D-58212 Schwerte

Inari Organics S.L.
Calle Nogal 2 Local 3
18100 ARMILLA
SPANIEN

Certificate No./Attest-Nr. 1210089636000010 01

Date/Datum 24.08.2020 Page/Seite/Page 1/2

Customer PO# TE-44388 of/vom/du 08.07.2020
Kunden-Bestell-Nr. / No. de commande
Customer Specification ISO 5832-3:2016; ASTM F136:2013
Kunden-Spezifikationen / Spécification de client

Customer No. Kunden-Nr. / Code client	602356	Delivery Note Lieferschein-Nr. / Bon de livraison	1210089636 Pos 10
Sales Order No. Auftragsnr./No. de commande	1202032256	Contact Kontakt	Pia Neuburg Tel. +49 2304 79-7422
Material No. Materialnr./No.d'article	5511300		
Material Designation Bezeichnung / Désignation	TI 6AL 4V-ELI TITANIUM ALLOY FOR IMPLANTS		
Grade / Alloy	ERGITAN 3.7165 MG		
Finish	drawn, annealed, straightened, stress relieved annealed, ground, polished		
	surface eddy-current tested		
Diameter	3,0000 mm		
Diameter tolerance	DIN EN 10278 h9		
Bar Length	3,000,000 mm		
Bar Length tolerance	0,000 mm / 30,000 mm		

Chemical Composition (%)
Chemische Zusammensetzung / Composition chimique
Heat No. AJ7619G
Schmelzennr./ No. de coulée
Melting Process: Double melted, last melt VAR
Erschmelzungsart / Mode d'élaboration

	C	N	O	Fe	Al	V	Ti	Σ Trans
Actual	0,010	0,0100	0,1200	0,200	6,32	4,01	bal.	979,0

Production Lot 4792086
Produktionslos / Unité de production
Inspection Lot 020000391301 / 000001
Prüflos / Prüfeinheit / Unité d'inspection
Weight
Gewicht / Poids 11,000 KG

Pack.Unit M108761001
Packstücke / No. de caisse

Inspection result
Prüfergebnisse / Résultats d'examen

	Target (min)	Target (max)	Actual (min)	Actual (max)
Tensile Strength (MPa)	900	1500	1116	1117
Yield Strength 0.2 (MPa)	795		924	946
Elongation A20mm (%)	10,0		14,0	14,5
Reduction of area Z (%)	25,0		45,6	46,0
Average Roughness Ra (µm)		0,500	0,415	0,425
Hydrogen content at finish %		0,0120	0,0041	0,0041

Microstructure No alpha-case at 100x magnification.

Microstruct.ISO 20160(Titan.) acc. to ETTC 2 / ISO 20160: A1

AWE / A. HENNIG +49 2304 79-7162
Acceptance / Inspection representative
Abnahme / Abn.Beauftragter
Contrôle / Contrôleur
Phone
Telefon
Téléphone

This certificate has been issued by computer and
is valid without signature acc. to EN 10204 p.5.

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Sizes and Quality identification test examined and in order.

Surface visual inspection at finish: without objection.

In compliance with the conditions mentioned in the acknowledgement of order.

AWE / A. HENNIG

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