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PRODUCT CERTIFICATION

WORK ORDER
529121

SALES ORDER / RLS
075985 / 001

SHIP TO

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

CUSTOMER P.O. 80005396	CUSTOMER PART TI05BL010-h7	QUANTITY LADING NO 1,237 lbs 00110063	SHIPMENT DATE 12/11/2020
PART INFORMATION 121DD3JEZ03937A ✓ TI 6AL 4V ELI Custom Tolerance Bar - 10,0 mm (0.3937") Dia. Specifications: ASTM F 136 Rev: 13; ASTM B 348 Gr23 Rev: 19; B-ELI-001 Rev: 5; EN 10204 3.1 Rev: 04; EN 2002-001 Rev: 2005; EN 4267 Rev: 2001; ISO 5832-3 Rev: 2016; NF S94-080-1 Rev: 2007 ✓ Size: 10,0 mm (0.3937") Dia. h7 (+0" / -0.00059") Length: 3000mm - 3100mm (118.1" - 122")			
Chemical Report (Wt.%)			
Heat BR67045	Al T 5.99 ✓	Al B 5.96 ✓	C T .032 ✓
	CB .035 ✓	Fe T .18 ✓	Fe B .17 ✓
	NT .008 ✓	NB .007 ✓	OT .13 ✓
	OB .12 ✓		
V T 3.91 ✓	V B 3.96 ✓	Y T <.0010	Y B <.0010
	Ti BAL ✓	Ot E <.10	TOE <.30
Hydrogen (As Shipped)			
Hydrogen (%) 0.0031			
As Shipped Properties			
UTS #1 (Mpa) 1017 ✓	YS 0.2% #1 (Mpa) 927 ✓	EL #1 (4D) (%) 20 ✓	EL #1 (5D) (%) 18
RA #1 (%) 49	Hardness (HRC) 34		
Metallography Results			
Macrostructure Acceptable, Similar to Pub. ETTC 3 Group A, Level 10- Plate: A1			
Microstructure Alpha-Beta, Similar to Pub. ETTC 2 / ISO 20160 Plate: A1			
Alpha Case Material Free of Alpha Case			
Material Data			