

Quality Certificate

No.: QC1800146a-dia 2.5mm

1. Description:

Commodity	Material	Standard	Condition
Ti-6Al-4V ELI Bar	Ti-6Al-4V ELI	ASTM F136	Annealed
Heat No.	Lot No.	Size	Weight
23840	180856	Ø2.5*2500mm	29.60Kgs
23840	180856	Ø4.0*2000mm	20.00 Kgs
23840	180856	Ø5.0*2000mm	11.00 Kgs

2. Chemical Composition (Wt%):

Element	Ti	Al	V	Fe	C	N	O	H	Others	
									Each	Total
Requirements (Max.)	Bal	5.5 - 6.5	3.5 - 4.5	0.25	0.08	0.05	0.13	0.012	0.10	0.40
Results	Bal	5.8	4.19	0.179	0.011	0.007	0.053	0.008	<0.1	<0.4

3. Mechanical Properties:

Test Items	Tensile Strength Rm [Mpa]	Yield Strength Rp0.2 [Mpa]	Elongation A [%]	Area of Reduction Z [%]
Requirements	≥860	≥795	≥10	≥25
Results	940	807	23	23
	997	895	17.5	17.5
	1033	930	15	15

4. Other Test Items:

Microstructure	Ultrasonic Test	Dimensional Inspection	Visual Inspection	Surface Contamination
Qualified	Qualified	Qualified	Qualified	Clean

5. Conclusion and Statement:

We hereby certify that these Titanium Ti-6Al-4V ELI bars/rods herein has been manufactured, sampled, tested, and inspected in accordance with ASTM F136 and other specified requirements of contract number TG1800146a, and met these requirements.

Inspected by	Prepared by	Approved by
Michelle Zhang	Jimmy Liu	Jianyin Xu
Jan.18 th , 2019.	Jan.18 th , 2019.	Jan.18 th , 2019.

END OF REPORT!