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Quality Certificate

No.: PO 2489520

Dia 2.5x2500mm

1. Description:

Commodity	Material	Standard	Condition
Ti-6Al-4V ELI Bar	Ti-6Al-4V ELI	ASTM F136	Annealed
Heat No.	Lot No.	Size	Weight
23017	23017-1	Ø2.5*2500mm	29.30Kgs

2. Chemical Composition (Wt%):

Element	Ti	Al	V	Fe	C	N	O	H	Others	
									Eac h	Total
Req (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	6.24	4.22	0.160	0.011	0.009	0.098	0.0006	< 0.1	< 0.4

3. Mechanical Properties:

Test Items	Tensile Strength	Yield Strength	Elongation
	Rm [Mpa]	Rp0.2 [Mpa]	A [%]
Requirements	≥860	≥795	≥10
Results	951	847	20.5

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 PO 2489520, and met these requirements.

Inspected by	Prepared by	Approved by
Michelle Zhang	Jimmy Liu	Jianyin Xu
Mar.1 st , 2024.	Mar.1 st , 2024.	Mar.1 st , 2024.

END OF REPORT!

Certificate No: #20230922

Date: 2023/9/22

Purchasing Company		/		P.I./P.O.No.	/	Batch Number	HJ20231584
Commodity		Material	Condition	Size & Specification	Quantity	Products Standard	Temperature
Titanium wire, Acid Washing, Annealed		Gr23	M	Dia1.2mm x L.	280KGS	ASTM F136	18℃
Titanium wire, Acid Washing, Annealed				Dia1.6mm x L.	320KGS	ASTM F136	

TI Balance Ref. ASTM	Item	Fe	C	N	H	O	AL	V	Residuals	
	Size	0.25Max	0.08 Max.	0.05 Max.	0.012 Max.	0.13 Max.	5.5-6.50	3.5-4.5	Each (≤0.1)	Total (≤0.4)
	Dia1.2mm x L (coil)	0.11	0.011	0.013	0.009	0.11	6.03	4.08	≤0.1	≤0.4
	Dia1.6mm x L.(coil)									

Inspection Item	Tensile Strength	0.2 Yield Strength	Elongation	Reduction of area	/	/
	(Rm/Mpa)	Rp0.2/Mpa	A(%)	Z(%) min.	/	/
Requirement	860	795	10 Min	/	/	/
Dia1.2mm x L. (Coil)	982	850	13	/		
Dia1.6mm x L. (Coil)	1045	835	14	/	/	/

Testing Item	Dimensional Inspection	Surface Measurement	Micro Structure	Surface Contamination Test	Ultrasonic Test
Result	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	/

Hereby certify this product conforms to all specifically listed technical requirements, and other requirements for these specifications. Furthermore, we certify that the above stated quantitative results were derived from testing and analysis and are accordance with the reference specification requirements.

Also crossed their address

we are hereby certifying that the above mentioned products are made in China and China origin