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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!

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MILL TEST CERTIFICATE

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°C	
Titanium wire, Acid Washing, Annealed					Dia1.6mm x L.	320KGS	ASTM F136			
Chemical Composition (WT. %)										
TI Balance Ref. ASTM	<div><div></div><div>Item</div><div>Size</div></div>	Fe	C	N	H	O	AL	V	Residuals	
		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)
		0.11	0.011	0.013	0.009	0.11	6.03	4.08	≤0.1	≤0.4
	Dia1.6mm x L. (coil)									
Mechanical Strength										
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		/		/	/
Other Testing										
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.										
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COO		we are hereby certifying that the above mentioned products are made in China and China origin								