To protect the privacy of customers or suppliers of Salamander Jewelry.
We erased their address from this document.

Quality Certificate

No.: QC20201222 - dia 2.5mm

dia 3.0mm

1. Description:

Commodity	Material	Standard	Condition
Ti-6Al-4V ELI Bar	Ti-6Al-4V ELI	ASTM F136	Annealed
Heat No.	Lot No.	Size	Weight
20200301	190316	Ø2.5x2000mm	0.10Kg
20200301	190316	Ø3.0x2000mm	0.10Kg

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	5.89	4.06	0.194	0.013	0.023	0.118	0.001	<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	954	852	16	42

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 TG20201222a, and met these requirements.

Inspected by	Prepared by	Approved by
Michelle Zhang	Jimmy Liu	Jianyin Xu
Dec.18th, 2020.	Dec.15th, 2020.	Dec.15th, 2020.

END OF REPORT!

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Quality Certificate

No.: QC20201222 - dia 5.0mm

1. Description:

Commodity	Material	Standard	Condition
Ti-6Al-4V ELI Bar	Ti-6Al-4V ELI	ASTM F136	Annealed
Heat No.	Lot No.	Size	Weight
2020023	2020023-1	Ø5.0x2000mm	0.40Kg

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	6.10	3.97	0.186	0.027	0.013	0.111	0.0008	<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	914	862	18	32

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 TG20201222a, and met these requirements.

Inspected by	Prepared by	Approved by
Michelle Zhang	Jimmy Liu	Jianyin Xu
Dec.15^{h}, 2020.	Dec.15th, 2020.	Dec.15th, 2020.

END OF REPORT!

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Quality Certificate

No.: QC20201222

1. Description:

Commodity	Material	Standard	Condition
Ti-6Al-4V ELI Bar	Ti-6Al-4V ELI	ASTM F136	Annealed
Heat No.	Lot No.	Size	Weight
TG-U201612-007	17041001	Ø6.0x2000mm	1.50Kgs

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	6.23	4.05	0.217	0.009	0.016	0.002	0.002	<0.1	<0.4
	Bal	6.14	3.96	0.194	0.010	0.017	0.001	0.001	<0.1	<0.1

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	1006	905	25	48

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 TG20201222a, and met these requirements.

Inspected by	Prepared by	Approved by
Michelle Zhang	Jimmy Liu	Jianyin Xu
Dec.15^{h}, 2020.	Dec.15th, 2020.	Dec.15th, 2020.

END OF REPORT!

To protect the privacy of customers or suppliers of Salamander Jewelry.
We erased their address from this document.

Quality Certificate

No.: QC20201222

1. Description:

Commodity	Material	Standard	Condition
Ti-6Al-4V ELI Bar	Ti-6Al-4V ELI	ASTM F136	Annealed
Heat No.	Lot No.	Size	Weight
1603006	17071701	Ø9.0x2000mm	2.80Kgs

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	6.01	3.84	0.17	0.01	0.0088	0.095	0.0018		
	Bal	6.06	3.96	0.17	0.01	0.0083	0.092	0.0015		

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	954	852	16	42

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 TG2000006a and TG2000008a, and met these requirements.

Inspected by	Prepared by	Approved by
Michelle Zhang	Jimmy Liu	Jianyin Xu
Mar.18^{h}, 2020.	Mar.18th, 2020.	Mar.18th, 2020.

END OF REPORT!