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MILL TEST CERTIFICATE

Certificate No: #20160107

Date: 2016/1/7

Purchasing Company	/		P.I./P.O.No.	/		Batch Number	HJ2016R1003	
Commodity	Material	Condition	Size & Specification	Quantity	Products Standard	Temperature		
Titanium Round Bar, Annealed Centerless Grinding	Gr23	M	Dia4.1mm x 2000-	400KGS	ASTM F136	20°C		
Titanium Round Bar, Annealed Centerless Grinding			Dia6mm x 2000-3000mm	580KGS	ASTM F136			

Chemical Composition (WT. %)

TI Balance Ref. ASTM	Item Size	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)
	Dia4.1mm x 2000-3000mm	0.09	0.017	0.023	<0.001	0.09	6.05	4.1	≤0.1	≤0.4
	Dia6mm x 2000-3000mm									

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	25	/	/
Dia5mm x 2000-3000mm	978	910	32	49		
Dia6mm x 2000-3000mm	980	917	34	48	/	/

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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