

MILL TEST CERTIFICATE

Certificate No: #20160329

Date: 2016/3/29

Purchasing Company					P.I./P.O.No.		Batch Number		HJ2014T1544-3		
Commodity			Material	Condition	Size & Specification	Quantity	Products Standard		Temperature		
Titanium Round Bar, Annealed Centerless Grinding			Gr23	M	Dia3mm x 2000-3000mm	180KGS	ASTM F136		20℃		
Titanium Round Bar, Annealed Centerless Grinding					Dia4mm x 2000-3000mm	200KGS	ASTM F136				
Chemical Composition (WT. %)											
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)
	Dia3mm x 2000-3000mm		0.11	0.020	0.018	<0.001	0.06	6	4.1	≤0.1	≤0.4
Dia4mm 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		/	/	
Dia3mm x 2000-3000mm	950		890		18		38				
Dia4mm x 2000-3000mm	935		880		16		35		/	/	
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

