

KWHAM SUMPAN CO., LTD

55/1-4 MOO 7 BANGKRUAY SAI-NOY RD.,  
BANGKRUAY DISTRICT, NONTHABURY,  
11130 THAILAND

No: LH-20140213  
date : Feb 13,2014

### TITANIUM QUALITY CERTIFICATE

Product: TITANIUM ROUND BAR					Finnish: ANNEALED				
Contract No: LH-20140213									
Specification: GB/T2965-2007									
Dimension [mm]		Heat No.		Quality [Pc]		Net Weight [Kg]		Lot No.	
2.5*2000mm.		37D062614		/		2kg.		LH140256	
Tensile Test	Sample Condition	Tensile Strage (Mpa)	Yielod Strage (Mpa)		L0+50mm Elongation (%)		Reduction of area (%)		
	M	915	855		15		30		
Other	Dimensional Inspection	Visual Inspection	Ultrasanoic Inspection		Macrostructure		Microstucture		
	Acceptable	Acceptable	/		/		/		
Chemical Composition (%)									
Location	Ti	Al	V	Fe	C	N	H	O	(other)
Top	Reminder	/	/	/	/	/	/	/	(Each)<0.1
Middle	Reminder	6.17	4.05	0.19	0.02	0.04	0.001	0.11	(Total)<0.4
Bottom	Reminder	/	/	/	/	/	/	/	
Hereby certify this product confoms to ALL specifically listed technical requirements,and other requirements for these specifications. Furthermore, I certify the above stated quantitative result were dervied from testing and analysis and are accordance with the reference specification(s) requirements.									