

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 Strange (Mpa) | Yielod Strange (Mpa) | L0+50mm Elongation (%) | Reduction of area (%) | | | | |
| | M | 915 | 855 | 15 | 30 | | | | |
| Other | Dimensional Inspection | Visual Inspection | Ultrasanoic Inspection | Macrostructure | Microstructure | | | | |
| | 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. | | | | | | | | | |