

CERTIFICATE OF INSPECTION

CERT NO.: THB2070101-77

ISSUE DATE: Jul 17, 2012

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HUNG LEE METAL CO.,LTD
 G/F, 8 FUK TSUN STREET, TAI KOK TSUI,
 TAI KOK TSUI, KOWLOON
 HONG KONG

LOT NO.: B2626026
 INV. NO.: THB2070101
 PO# NO.: B2051649
 ITEM NO.:

SS 304(A2); DIN 975 THREADED RODS
 FULL THREAD; PLAIN
 PAINT GREEN COLOR ON BOTH ENDS OF BAR
 M8-1.25 X 3M Coarse 6g

MFR. TONG HWEI ENTERPRISE CO., LTD.
 ADDRESS. SAME AS LAB.
 MFR. DATE: Jun 25, 2012
 SHIP QTY: 700 PCS
 LOT QTY: 700 PCS

SAMPLE PLAN SPEC.: ANSI/ASME B18.18.2M-1987

SAMPLER: H.G. TSAI

INSP. DATE: Jun 26, 2012

Characteristic	Requirements	Results	Sampling	Pass	Rej	Test Method
Dimensional inspections (Measurement by millimeters)			Specification: DIN 975-1986			
Nominal Length (centimeter)	299.00 - 301.00	300.10 - 300.20	8	8	0	
Major Diameter	7.77 - 7.97	7.80 - 7.81	8	8	0	
Pitch Diameter	7.05 - 7.16	PASSED	8	8	0	
Visual Appearance	ISO 6157-1:1988	PASSED	100	100	0	
Mechanical properties			Specification: ISO 3506-1:2009			
Core Hardness (HRBW)	80 - 100	95 - 96	8	8	0	ISO 3506-1:2009
Tensile Strength (N/MM ²)	700MIN	803 - 831	2	2	0	ISO 3506-1:2009
Yield Strength (N/MM ²)	450MIN	576 - 582	2	2	0	ISO 3506-1:2009
Elongation At Fracture	3MIN	18 - 21	2	2	0	ISO 3506-1:2009

Chemical composition %			HEAT NO.: 3U915			Material Source: TAIWAN			
(Acc. to Material Inspection Certificate)									
C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N
X100	X100	X100	X1000	X1000	X100	X100	X100	X100	XPPM
2.8	42.0	188.0	25.0	3.6	801.0	1820.0	12.0	39.0	0.0

Remark:

* TWO INDENTATION ONLY INSTEAD OF FOUR ON CORE HARDNESS.

All hardness requirements are consistent with THE standards if hardness requirements not provided to specification above

1. This inspection certificate is issued according to EN 10204 3.1/DIN 50049 3.1.
2. This report must not be reproduced except in full and to the item(s) tested only.
3. Whenever testing discrepancies are detected or departures from documented policies and procedure occur, they will be shown in remark.

Y. L. Su

Y. L. SU (QA ENGINEER)


 Testing Laboratory
0961

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 HUNG LEE METAL CO., LTD
 G/E, 8 FUK TSUN STREET, TAI KOK TSUI,
 TAI KOK TSUI, KOWLOON
 HONG KONG

 Item no.:
 Prod. no.: B3051801
 Inv. no.: THB3070078
 Issue date: Jul 17, 2013
 Insp. date: Jun 07, 2013

 Lot no.: B3607005
 Ship qty: 1,650 PCS
 Lot qty: 1,650 PCS
 Sampler: H.C. TSAI
 Sample plan spec: ANSI/ASME B18.18.2M-1987

 Mfr.: TONG HWEI ENTERPRISE CO., LTD.
 Address: SAME AS LAB.
 Mfr. date: Jun 03, 2013

 SS 304(A2), DIN 975 THREADED RODS; FULL THREAD; PLAIN; PAINT GREEN COLOR ON BOTH ENDS OF BAR
 M10-1.5 X 3M Coarse 6g

Characteristic	Requirements	Results	S/S	Pass	Rej	Specification	Test Method
Dimensional inspections (Measurement by millimeters)							
Nominal Length (centimeter)	299.0 - 301.0	300.0 - 300.1	16	16	0	DIN 975-1986	
Major Diameter	9.740 - 9.960	9.800 - 9.850	16	16	0	DIN 975-1986	
Functional Dia. (Go/No-go)	8.870 - 8.990	PASSED	16	16	0	DIN 975-1986	
Visual Appearance		PASSED	100	100	0	ISO 6157-1:1988	
Mechanical properties							
Core Hardness (HRBW)	80 - 100	95 - 96	8	8	0	ISO 3506-1:2009	ISO 3506-1:2009
Tensile Strength (N/MM ²)	700MIN	752 - 768	3	3	0	ISO 3506-1:2009	ISO 3506-1:2009
Yield Strength (N/MM ²)	450MIN	533 - 538	3	3	0	ISO 3506-1:2009	ISO 3506-1:2009
Elongation At Fracture	4MIN	17 - 20	3	3	0	ISO 3506-1:2009	ISO 3506-1:2009

Chemical composition % (Acc. to Material Inspection Certificate)										Heat No.: 4B552		Material Source: TAIWAN	
C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N				
X100	X100	X100	X1000	X1000	X100	X100	X100	X100	X10000				
4.0	35	189	33	2.4	800	1834	11	84					

Remark: * THREE INDENTATION ONLY INSTEAD OF FOUR ON CORE HARDNESS.

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 HUNG LEE METAL CO., LTD
 G/F, 8 FUK TSUN STREET, TAI KOK TSUI,
 TAI KOK TSUI KOWI OON
 HONG KONG

Item no.:
 Po# no.: B3051801
 Inv. no.: THB3070078
 Issue date: Jul 17, 2013
 Insp. date: Jun 14, 2013

Lot no.: B3614001
 Ship qty: 300 PCS
 Lot qty: 300 PCS
 Sampler: H.G. TSAI

Mf.: TONG HWEI ENTERPRISE CO., LTD.
 Address: SAME AS I.A.B.
 Mfr. date: Jun 03, 2013
 Sample plan spec.: ANSI/ASME B18.18.2M-1987

SS 304(A2); DIN 975 THREADED RODS; FULL THREAD; PLAIN; PAINT GREEN COLOR ON BOTH ENDS OF BAR

M12-1.75 X 3M Coarse 6g

Characteristic	Requirements	Results	S/S	Pass	Rej	Specification	Test Method
Dimensional inspections (Measurement by millimeters)							
Nominal Length (centimeter)	299.0 - 301.0	300.0 - 300.1	8	8	0	DIN 975-1986	
Major Diameter	11.710 - 11.960	11.800 - 11.820	8	8	0	DIN 975-1986	
Functional Dia. (Go/NoGo)	10.680 - 10.820	PASSED	8	8	0	DIN 975-1986	
Visual Appearance		PASSED	100	100	0	ISO 6157-1:1988	
Mechanical properties							
Core Hardness (HRBW)	80 - 100	95 - 96	8	8	0	ISO 3506-1:2009	ISO 3506-1:2009
Tensile Strength (N/MM ²)	700MIN	766 - 780	2	2	0	ISO 3506-1:2009	ISO 3506-1:2009
Yield Strength (N/MM ²)	450MIN	534 - 546	2	2	0	ISO 3506-1:2009	ISO 3506-1:2009
Elongation At Fracture	5MIN	23 - 25	2	2	0	ISO 3506-1:2009	ISO 3506-1:2009

Chemical composition % (Acc. to Material Inspection Certificate)										Heat No.: 4B563		Material Source: TAIWAN	
C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N				
X100	X100	X100	X1000	X1000	X100	X100	X100	X100	X10000				
4.7	34	193	30	4.6	803	1839	10	78					

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