

**BOLT MFG. TRADE LTD. HAIYAN**

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**QUALITY CERTIFICATE**

CUSTOMERS ORDER NO.: C-22

SIZE: 3/8-16x3MTR

DESCRIPTION: ALL THREADED RODS HDGx3000MM

INVOICE NO.: BY37014

L/C NO.: K840296

TESTING DATE: 07/27/2016

PART NO.:

SAMPLE SIZE: 10 PCS

**DIMENSIONS OF SPEC: PER ASME B1.1**

(MEASUREMENT BY MILLIMETERS)

INSPECTION ITEMS	STANDARD	RESULT	AC.	RE.
VISUAL APPEARANCE	ASTM F788/F788M	OK	10	0
THREAD	3/8-16	OK	10	0
MAJOR DIAMETER	9.253-9.492	9.30-9.38	10	0
LENGTH	2993.65-3006.35	2998.05-2998.39	10	0

**MECHANICAL PROPERTIES SPEC: PER ASTM A307 GR.A**

INSPECTION ITEMS	STANDARD	RESULT	AC.	RE.
HARDNESS	HRB 100 MAX	HRB 86-89.5	4	0
TENSILE STRENGTH	MIN 60 KSI	73.89 KSI	1	0

**COATING THICKNESS: PER ASTM A153**

INSPECTION ITEMS	STANDARD	RESULT	AC.	RE.
COATING THICKNESS	Min 53µm	58-71µm	10	0

**CHEMICAL ANALYSIS (%):**

STEEL GRADE: Q195

HEAT NO. & DIA(mm)	C	Si	Mn	P	S
SPEC	0.29MAX	-	1.2MAX	0.04MAX	0.15MAX
182467 10.00mm	0.06	0.11	0.38	0.023	0.032

STEEL MAKER: JIANGYIN HUAXI HIGH SPEED WIRE ROD FACTORY

Certificate No. : 001900

**REMARKS:**

- 1) THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL AND THE TEST REPORT RELATES ONLY TO THE ITEM TESTED.
- 2) THE QMS IS APPROVED TO ISO9001:2008 CERTIFICATE NO: 127180

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SIGNATURE OF INSPECTOR