



**GEM-YEAR TESTING LABORATORY
CERTIFICATE OF INSPECTION**

MANUFACTURER: GEM-YEAR INDUSTRIAL CO., LTD.

ADDRESS: NO.8GEM-YEAR
ROAD,E.D.Z.JIASHAN,ZHEJIANG,P.R.CHINA

PURCHASER: MAPTCO FASTENERS (AUST) PTY LTD

PO. NUMBER: MAP-2011S

COMMODITY: ISO 4017 HEX HEAD BOLT FULL THREAD CL 8.8

SIZE: M10-1.50X80

LOT NO: 1B2030947

SHIP QUANTITY: 5,250 PCS

HEADMARKS: GENIUS SYMBOL & 8.8

COUNTRY OF ORIGIN: CHINA

TEL: (0573) 84185001 (48Lines)

FAX: (0573) 84184488 84184567

DATE: 2020/05/18

PACKING NO: GEM200426003

INVOICE NO: GEM/MAP-200518SYD

PART NO: A341

SAMPLING PLAN:
ASME B18.18-2017/ASTM F1470-2018

HEAT NO: 19313200-4

MATERIAL: 35ACR

FINISH: H. T. TRIVALENT ZINC PER ASTM F1941

PERCENTAGE COMPOSITION OF CHEMISTRY: TEST FACILITY :S

Chemistry	Al%	C%	Cr%	Mn%	P%	S%	Si%
Spec.:MIN.	0.0100	0.3500	0.2000	0.6000			
MAX.		0.3900	0.4000	0.9000	0.0250	0.0250	0.1000
Test Value	0.0250	0.3700	0.2600	0.7600	0.0150	0.0020	0.0500

DIMENSIONAL INSPECTIONS: ACCORDING TO ISO4017-2014

TEST FACILITY : M

SAMPLED BY: ZHONGLI

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ.
MAJOR DIAMETER	4 PCS	JB/T 9151		9.7400-9.9600 MM	9.7900-9.8900 MM	4	0
NOMINAL LENGTH	15 PCS	JB/T 9151		79.4000-80.6000 MM	79.5900-80.2300 MM	15	0
WIDTH ACROSS CORNERS	4 PCS	JB/T 9151		Min. 17.7700 MM	17.7700-17.8100 MM	4	0
WIDTH ACROSS FLATS	4 PCS	JB/T 9151		15.7300-16.0000 MM	15.8500-15.9500 MM	4	0
HEIGHT	4 PCS	JB/T 9151		6.2200-6.5800 MM	6.3500-6.5100 MM	4	0
SURFACE DISCONTINUITIES	29 PCS	ISO6157.3			PASSED	29	0
THREAD	15 PCS	JB/T 9151		6h GO 6h NOGO	PASSED	15	0

MECHANICAL PROPERTIES: ACCORDING TO ISO 898.1-2013

TEST FACILITY : M

SAMPLED BY: JINSHENGXIA

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ.
CORE HARDNESS	15 PCS	ISO898.1		22-32 HRC	27.8-28.8 HRC	15	0
TENSILE STRENGTH	4 PCS	ISO898.1		Min. 800 N/MM2	880-895 N/MM2	4	0
SURFACE HARDNESS	15 PCS	ASTM E384		Max. 350 HV	259-281 HV	15	0

ALL TESTS ARE IN ACCORDANCE WITH THE METHODS PRESCRIBED IN THE APPLICABLE ASTM/SAE/ASME/MIL-STD-120.

SPECIFICATION. WE CERTIFY THAT THIS DATA IS A TRUE REPRESENTATION OF INFORMATION PROVIDED BY THE MATERIAL SUPPLIER AND OUR TESTING LABORATORY.

THE REPORT IS ISSUED ACCORDING TO ISO16228 F3.1(EN10204 3.1)

TYPE M: MANUFACTURER

TYPE S: SUPPLIER(STEEL MILL,PLATING SUB SUPPLIER,HEAT TREATMENT SUB SUPPLIER ETC.,)

WE CERTIFY THE PARTS ARE ROHS COMPLIANT.

SIGNATURE: