



**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-2003F

COMMODITY: ISO 4016 HEX BOLT THREAD LENGTH CHANGE CL 4.6

SIZE: M16-2.00X55 T/L:40MM

LOT NO: 1B202A020(1A20608001)

SHIP QUANTITY: 8,775 PCS

HEADMARKS: GENIUS SYMBOL & 4.6

COUNTRY OF ORIGIN: CHINA

TEL: (0573) 84185001 (48Lines)

FAX: (0573) 84184488 84184567

DATE: 2020/07/07

PACKING NO: GEM200521014

INVOICE NO: GEM/MAP-200708 FRE

PART NO: M606

SAMPLING PLAN:

ASME B18.18-2017/ASTM F1470-2018

HEAT NO: 204D1147

MATERIAL: A-ML08

FINISH: HOT DIP GALVANIZED PER ASTM
A153/ASTM F2329

PERCENTAGE COMPOSITION OF CHEMISTRY: TEST FACILITY :S

Chemistry	A1%	C%	Mn%	P%	S%	Si%
Spec.:MIN.	0.0150	0.0500	0.3000			
MAX.		0.1000	0.6000	0.0250	0.0200	0.1000
Test Value	0.0380	0.0800	0.3600	0.0110	0.0070	0.0500

DIMENSIONAL INSPECTIONS: ACCORDING TO ISO 4016

TEST FACILITY : M

SAMPLED BY: XUJIAOJIAO

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
NOMINAL LENGTH	15 PCS	JB/T 9151		53.5000-56.5000 MM	55.1100-55.2000 MM	15	0
WIDTH ACROSS FLATS	4 PCS	JB/T 9151		23.1600-24.0000 MM	23.7300-23.8300 MM	4	0
BODY DIAMETER	4 PCS	JB/T 9151		15.3000-16.7000 MM	15.8900-15.9400 MM	4	0
HEIGHT	4 PCS	JB/T 9151		9.2500-10.7500 MM	10.1000-10.1700 MM	4	0
THREAD LENGTH	15 PCS	JB/T 9151		Min. 40.0000 MM	44.2700-44.5800 MM	15	0
SURFACE DISCONTINUITIES	29 PCS	ISO6157.3			PASSED	29	0
MAJOR DIAMETER	4 PCS	JB/T 9151		15.7200-16.0000 MM	15.9100-15.9300 MM	4	0
WIDTH ACROSS CORNERS	4 PCS	JB/T 9151		Min. 26.1700 MM	27.3600-27.4000 MM	4	0
THREAD	15 PCS	JB/T 9151		nut	PASSED	15	0

MECHANICAL PROPERTIES: ACCORDING TO ISO 898.1-2013

TEST FACILITY : M

SAMPLED BY: DAIWENTING

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
TENSILE STRENGTH	4 PCS	ISO898.1		Min. 400 N/MM2	485-493 N/MM2	4	0
CORE HARDNESS	15 PCS	ISO898.1		67-95 HRB	85.4-87.6 HRB	15	0

ALL TESTS ARE IN ACCORDANCE WITH THE METHODS PRESCRIBED IN THE APPLICABLE ASTM/SAE/ASME 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: