



# GEM-YEAR TESTING LABORATORY

## CERTIFICATE OF INSPECTION

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

PURCHASER : MAPTCO FASTENERS (AUST) PTY LTD  
PO. NUMBER : MAP-1941M  
COMMODITY : FINISHED HEX NUT GR-8  
SIZE : 5/8-18 NF  
LOT NO : 1N19A0164  
SHIP QUANTITY : 5,000 PCS  
HEADMARKS : GENIUS SYMBOL & 2 ARC LINES(60 DEGREE)  
COUNTRY OF ORIGIN : CHINA

Tel: (0573)84185001(48Lines)  
Fax: (0573)84184488 84184567  
DATE : 2020/01/04

PACKING NO : GEM191224003  
INVOICE NO : GEM/MAP-200106MEL  
PART NO : N359  
SAMPLING PLAN :  
ASME B18.18-2017/ASTM F1470-2018  
HEAT NO : 19106131-3  
MATERIAL : 10B33  
FINISH : H. T. TRIVALENT ZINC PER ASTM  
F1941

**PERCENTAGE COMPOSITION OF CHEMISTRY : TEST FACILITY : S**

Chemistry	B%	C%	Mn%	P%	S%	Si%
Spec. : MIN.	0.0008	0.2900	0.7000			
MAX.	0.0030	0.3800	1.0000	0.0250	0.0250	0.4000
Test Value	0.0023	0.3500	0.7700	0.0160	0.0040	0.2000

**DIMENSIONAL INSPECTIONS : ACCORDING TO ASME B18.2.2-2015 TEST FACILITY: M**

SAMPLED BY : YUQIAN

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
WIDTH ACROSS CORNERS	4PCS	JIS B1071		26.7000-27.5000 MM	27.1000-27.1400 MM	4	0
THICKNESS	4PCS	JIS B1071		13.5900-14.1900 MM	13.8900-14.0700 MM	4	0
WIDTH ACROSS FLATS	4PCS	JIS B1071		23.4200-23.8200 MM	23.5900-23.6700 MM	4	0
SURFACE DISCONTINUITIES	29PCS	ASTM F812			PASSED	29	0
THREAD	15PCS	JIS B1071		2B GO 2B NOGO	PASSED	15	0

**MECHANICAL PROPERTIES : ACCORDING TO SAE J 995-2017 TEST FACILITY: M**

SAMPLED BY : HTQI

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
CORE HARDNESS	15PCS	ASTM F606/F606M		24-32 HRC	27-29 HRC	15	0
PROOF LOAD	4PCS	ASTM F606/F606M		Min. 38,400 LBF	OK	4	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 : \_\_\_\_\_