



# GEM-YEAR TESTING LABORATORY

## CERTIFICATE OF INSPECTION

MANUFACTURER : GEM-YEAR INDUSTRIAL CO., LTD.  
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DATE : 2020/01/04

PURCHASER : MAPTCO FASTENERS (AUST) PTY LTD  
PO. NUMBER : MAP-1941M  
COMMODITY : ISO 4032 NUTS CL 6  
SIZE : M20-P2.50 O/T 0.40MM  
LOT NO : 1N19AA051 (1A2019B1404)  
SHIP QUANTITY : 1,448 PCS  
HEADMARKS : GENIUS SYMBOL & 6  
COUNTRY OF ORIGIN : CHINA

PACKING NO : GEM191224003  
INVOICE NO : GEM/MAP-200106MEL  
PART NO : M662  
SAMPLING PLAN :  
ASME B18.18-2017/ASTM F1470-2018  
HEAT NO : 19108533-3  
MATERIAL : X1008A  
FINISH : HOT DIP GALVANIZED PER ASTM  
A153/ASTM F2329

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

Chemistry	Al%	C%	Mn%	P%	S%	Si%
Spec. : MIN.	0.0200					
MAX.		0.1000	0.6000	0.0300	0.0350	0.1000
Test Value	0.0300	0.0800	0.3500	0.0090	0.0040	0.0300

**DIMENSIONAL INSPECTIONS : ACCORDING TO ISO 4032 TEST FACILITY: M**

SAMPLED BY : YUQIAN

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
WIDTH ACROSS CORNERS	4PCS	JB/T 9151		Min. 32.9500 MM	33.9100-33.9600 MM	4	0
THICKNESS	4PCS	JB/T 9151		16.9000-18.0000 MM	17.3000-17.3700 MM	4	0
WIDTH ACROSS FLATS	4PCS	JB/T 9151		29.1600-30.0000 MM	29.7300-29.8200 MM	4	0
SURFACE DISCONTINUITIES	29PCS	ISO6157			PASSED	29	0
THREAD	15PCS	JB/T 9151		6H increase	PASSED	15	0

**MECHANICAL PROPERTIES : ACCORDING TO ISO898.2 TEST FACILITY: M**

SAMPLED BY : GDAN LIAN

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
CORE HARDNESS	3PCS	ASTM F606/F606M		170-302 HV	175-178 HV	3	0
PROOF LOAD	3PCS	ASTM F606/F606M		Min. 18,000 KGF	OK	3	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..)

SIGNATURE : \_\_\_\_\_