



# 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-1941F  
COMMODITY : ISO 4032 NUTS CL 6  
SIZE : M16-P2.00 O/T 0.40MM  
LOT NO : 1N19AA048 (1A2019C1362)  
SHIP QUANTITY : 6,000 PCS  
HEADMARKS : GENIUS SYMBOL & 6  
COUNTRY OF ORIGIN : CHINA

Tel: (0573)84185001(48Lines)  
Fax: (0573)84184488 84184567  
DATE : 2020/01/07  
PACKING NO : GEM191219001  
INVOICE NO : GEM/MAP-200115FRE  
PART NO : M614  
SAMPLING PLAN :  
ASME B18.18-2017/ASTM F1470-2018  
HEAT NO : 18212525-3  
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   | 0.0400 | 0.0700 | 0.2900 | 0.0120 | 0.0050 | 0.0500 |

**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. 26.7500 MM    | 27.3700-27.4100 MM | 4    | 0    |
| THICKNESS               | 4PCS   | JB/T 9151   |     | 14.1000-14.8000 MM | 14.4100-14.4500 MM | 4    | 0    |
| WIDTH ACROSS FLATS      | 4PCS   | JB/T 9151   |     | 23.6700-24.0000 MM | 23.8600-23.9300 MM | 4    | 0    |
| SURFACE DISCONTINUITIES | 29PCS  | ISO6157     |     |                    | PASSED             | 29   | 0    |
| THREAD                  | 15PCS  | JB/T 9151   |     | 6H increase        | PASSED             | 15   | 0    |

**MECHANICAL PROPERTIES : ACCORDING TO ISO 898.2 TEST FACILITY: M**

SAMPLED BY : GDAN LIAN

| INSPECTIONS ITEM | SAMPLE | TEST METHOD     | REF | SPECIFIED       | ACTUAL RESULT | ACC. | REJ. |
|------------------|--------|-----------------|-----|-----------------|---------------|------|------|
| CORE HARDNESS    | 15PCS  | ASTM F606/F606M |     | 150-302 HV      | 184-186 HV    | 15   | 0    |
| PROOF LOAD       | 4PCS   | ASTM F606/F606M |     | Min. 11,214 KGF | 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..)

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