



**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-2029S
 COMMODITY: FINISHED HEX NUT GR-5
 SIZE: 3/8-16 NC
 LOT NO: 1N2070784
 SHIP QUANTITY: 60,000 PCS
 HEADMARKS: GENIUS SYMBOL & 2 ARC LINES(120 DEGREE)
 COUNTRY OF ORIGIN: CHINA

TEL: (0573) 84185001 (48Lines)
 FAX: (0573) 84184488 84184567
 DATE: 2020/09/07
 PACKING NO: GEM200824006
 INVOICE NO: GEM/MAP-200907SYD
 PART NO: N223
 SAMPLING PLAN:
 ASME B18.18-2017/ASTM F1470-2018
 HEAT NO: 204D0016
 MATERIAL: A-1015A
 FINISH: TRIVALENT ZINC PER ASTM F1941

PERCENTAGE COMPOSITION OF CHEMISTRY: TEST FACILITY :S

Chemistry	Al%	C%	Mn%	P%	S%	Si%
Spec.:MIN.	0.0150	0.1300	0.3000			
MAX.	0.0550	0.1800	0.6000	0.0250	0.0200	0.1000
Test Value	0.0400	0.1500	0.3800	0.0120	0.0070	0.0400

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

SAMPLED BY: ZHONGLI

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
SURFACE DISCONTINUITIES	29 PCS	ASTM F812			PASSED	29	0
THICKNESS	5 PCS	JIS B1071		8.1300-8.5500 MM	8.1300-8.5500 MM	5	0
WIDTH ACROSS FLATS	5 PCS	JIS B1071		14.0000-14.3000 MM	14.0000-14.3000 MM	5	0
WIDTH ACROSS CORNERS	5 PCS	JIS B1071		15.9600-16.5100 MM	15.9600-16.5100 MM	5	0
THREAD	15 PCS	JIS B1071		2B GO 2B NOGO	PASSED	15	0

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

SAMPLED BY: DAIWENTING

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
CORE HARDNESS	15 PCS	ASTM F606/F606M		Max. 32 HRC	27.6-28.9 HRC	15	0
PROOF LOAD	5 PCS	ASTM F606/F606M		Min. 9,300 LBF	OK	5	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: