



GEM-YEAR TESTING LABORATORY

CERTIFICATE OF INSPECTION

MANUFACTURER : GEM-YEAR INDUSTRIAL CO., LTD.
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DATE : 2020/03/10

PURCHASER : MAPTCO FASTENERS (AUST) PTY LTD
PO. NUMBER : MAP-1941M
COMMODITY : ISO 4032 NUTS CL 6
SIZE : M16-P2.00 O/T 0.40MM
LOT NO : 1N19AA048 (1A2019C1364)
SHIP QUANTITY : 6,050 PCS
HEADMARKS : GENIUS SYMBOL & 6
COUNTRY OF ORIGIN : CHINA

PACKING NO : GEM200103002
INVOICE NO : GEM/MAP-200317MEL
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 ISO898.2 TEST FACILITY: M

SAMPLED BY : TANGHAO

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
CORE HARDNESS	15PCS	ISO898.2		150-302 HV	212-230 HV	15	0
PROOF LOAD	4PCS	ISO898.2		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 : _____