



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-1938M
COMMODITY : HEX NUT CL 8
SIZE : M12-P1.75 O/T 0.35MM
LOT NO : 1N199A115 (1A2019C1024)
SHIP QUANTITY : 3,085 PCS
HEADMARKS : GENIUS SYMBOL & 3 ARC LINES
COUNTRY OF ORIGIN : CHINA

Tel: (0573)84185001(48Lines)
Fax: (0573)84184488 84184567
DATE : 2020/03/10

PACKING NO : GEM200103002
INVOICE NO : GEM/MAP-200317MEL
PART NO : G002
SAMPLING PLAN :
ASME B18.18-2017/ASTM F1470-2018
HEAT NO : 19105531-4
MATERIAL : 1045K
FINISH : H. T. HOT DIP GAL PER ASTM
A153/ASTM F2329

PERCENTAGE COMPOSITION OF CHEMISTRY : TEST FACILITY : S

Chemistry	C%	Mn%	P%	S%	Si%
Spec. : MIN.	0.4200	0.6000			0.1000
MAX.	0.4800	0.9000	0.0250	0.0250	0.3500
Test Value	0.4500	0.6600	0.0100	0.0090	0.1900

DIMENSIONAL INSPECTIONS : ACCORDING TO AS1252-1983 TEST FACILITY: M

SAMPLED BY : YUQIAN

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
WIDTH ACROSS CORNERS	5 PCS	JB/T 9151		Min. 22.7800 MM	22.9300-23.2600 MM	5	0
THICKNESS	5 PCS	JB/T 9151		11.8700-12.3000 MM	12.1500-12.2900 MM	5	0
WIDTH ACROSS FLATS	5 PCS	JB/T 9151		20.1600-21.0000 MM	20.3900-20.6600 MM	5	0
SURFACE DISCONTINUITIES	29 PCS	ISO6157.3			PASSED	29	0
THREAD	15 PCS	JB/T 9151		6H increase	PASSED	15	0

MECHANICAL PROPERTIES : ACCORDING TO AS1252-1996 TEST FACILITY: M

SAMPLED BY : HTQI

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
HARDNESS HV30	15 PCS	ASTM F606/F606M		260-353 HV	311-320 HV	15	0
GUARANTEE STRESS	15 PCS	ASTM F606/F606M		Min. 1,165 N/MM2	1,171-1,175 N/MM2	15	0
PLATING THICKNESS (μ m)	4 PCS	ASTM B568		>=53	60.01-62.04	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 : _____