



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 : FINISHED HEX NUT GR-8
SIZE : 5/8-18 NF
LOT NO : 1N19A0164
SHIP QUANTITY : 5,000 PCS
HEADMARKS : GENIUS SYMBOL & 2 ARC LINES(60 DEGREE)
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 : N359
SAMPLING PLAN :
ASME B18.18-2017/ASTM F1470-2018
HEAT NO : 19106131-3
MATERIAL : 10B33
FINISH : H. T. TRIVALENT ZINC PER ASTM
F1941

PERCENTAGE COMPOSITION OF CHEMISTRY : TEST FACILITY :S

Chemistry	B%	C%	Mn%	P%	S%	Si%
Spec. : MIN.	0.0008	0.2900	0.7000			
MAX.	0.0030	0.3800	1.0000	0.0250	0.0250	0.4000
Test Value	0.0023	0.3500	0.7700	0.0160	0.0040	0.2000

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

SAMPLED BY : YUQIAN

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
WIDTH ACROSS CORNERS	4PCS	JIS B1071		26.7000-27.5000 MM	27.1000-27.1400 MM	4	0
THICKNESS	4PCS	JIS B1071		13.5900-14.1900 MM	13.8900-14.0700 MM	4	0
WIDTH ACROSS FLATS	4PCS	JIS B1071		23.4200-23.8200 MM	23.5900-23.6700 MM	4	0
SURFACE DISCONTINUITIES	29PCS	ASTM F812			PASSED	29	0
THREAD	15PCS	JIS B1071		2B GO 2B NOGO	PASSED	15	0

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

SAMPLED BY : HTQI

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
CORE HARDNESS	15PCS	ASTM F606/F606M		24-32 HRC	27-29 HRC	15	0
PROOF LOAD	4PCS	ASTM F606/F606M		Min. 38,400 LBF	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..)

WE CERTIFY THE PARTS ARE ROHS COMPLIANT.

SIGNATURE : _____