



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

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

PURCHASER : MAPTCO FASTENERS (AUST) PTY LTD
PO. NUMBER : MAP-1946M
COMMODITY : HEX CAP SCREW GR-8
SIZE : 3/4-10X3 NC
LOT NO : 1B19B0862
SHIP QUANTITY : 1,200 PCS
HEADMARKS : GENIUS SYMBOL & 6 RADIAL LINES
COUNTRY OF ORIGIN : CHINA

PACKING NO : GEM200103002
INVOICE NO : GEM/MAP-200317MEL
PART NO : D348
SAMPLING PLAN :
ASME B18.18-2017/ASTM F1470-2018
HEAT NO : 19306470-4
MATERIAL : SCM435
FINISH : H. T. TRIVALENT ZINC 5U
HYDROGEN RELEASE

PERCENTAGE COMPOSITION OF CHEMISTRY : TEST FACILITY :S

Chemistry	C%	Cr%	Mn%	Mo%	P%	S%	Si%
Spec. : MIN.	0.3300	0.9000	0.6000	0.1500			0.1500
MAX.	0.3800	1.2000	0.8500	0.3000	0.0250	0.0250	0.3500
Test Value	0.3400	0.9600	0.6500	0.1600	0.0190	0.0050	0.1800

DIMENSIONAL INSPECTIONS : ACCORDING TO ASME B18.2.1-2012 TEST FACILITY: M

SAMPLED BY : CLYAN

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
THREAD LENGTH	15 PCS	JIS B1071	44.45		48.4000-48.5500 MM	15	0
MAJOR DIAMETER	4 PCS	JIS B1071		18.6800-19.0000 MM	18.8400-18.8700 MM	4	0
BODY DIAMETER	4 PCS	JIS B1071		18.8300-19.0500 MM	18.8300-18.8500 MM	4	0
WIDTH ACROSS CORNERS	4 PCS	JIS B1071		31.8600-32.9900 MM	32.1200-32.1900 MM	4	0
HEIGHT	4 PCS	JIS B1071		11.5600-12.2600 MM	11.7800-11.8400 MM	4	0
NOMINAL LENGTH	15 PCS	JIS B1071		73.6600-76.2000 MM	74.4300-74.8000 MM	15	0
WIDTH ACROSS FLATS	4 PCS	JIS B1071		27.9400-28.5700 MM	28.0500-28.0800 MM	4	0
SURFACE DISCONTINUITIES	22 PCS	ASTM F788/F788M			PASSED	22	0
THREAD	15 PCS	JIS B1071		3A GO 2A NOGO	PASSED	15	0

MECHANICAL PROPERTIES : ACCORDING TO SAE J 429-2014 TEST FACILITY: M

SAMPLED BY : LSHWEN

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
CORE HARDNESS	15 PCS	ASTM F606/F606M		33-39 HRC	35.1-37.3 HRC	15	0
SURFACE HARDNESS	15 PCS	ASTM F606/F606M		Max. 58.6 HR30N	54-56 HR30N	15	0
TENSILE STRENGTH	4 PCS	ASTM F606/F606M		Min. 150 KSI	162-171 KSI	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.



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-1946M

COMMODITY : HEX CAP SCREW GR-8

SIZE : 3/4-10X3 NC

LOT NO : 1B19B0862

SHIP QUANTITY : 1,200 PCS

HEADMARKS : GENIUS SYMBOL & 6 RADIAL 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 : D348

SAMPLING PLAN :

ASME B18.18-2017/ASTM F1470-2018

HEAT NO : 19306470-4

MATERIAL : SCM435

FINISH : H. T. TRIVALENT ZINC 5U

HYDROGEN RELEASE

SIGNATURE : _____