



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 : 2020/01/04

PURCHASER : MAPTCO FASTENERS (AUST) PTY LTD
PO. NUMBER : MAP-1941M
COMMODITY : ISO 4014 HEX HEAD BOLT HALF THREAD CL 8.8
SIZE : M8-P1.25X170
LOT NO : 1B19AD213
SHIP QUANTITY : 4,600 PCS
HEADMARKS : GENIUS SYMBOL & 8.8
COUNTRY OF ORIGIN : CHINA

PACKING NO : GEM191224003
INVOICE NO : GEM/MAP-200106MEL
PART NO : A191
SAMPLING PLAN :
ASME B18.18-2017/ASTM F1470-2018
HEAT NO : 16204896-4
MATERIAL : X35ACR
FINISH : H. T. TRIVALENT ZINC PER ASTM
F1941

PERCENTAGE COMPOSITION OF CHEMISTRY : TEST FACILITY :S

Chemistry	Al%	C%	Cr%	Mn%	P%	S%	Si%
Spec. : MIN.	0.0200	0.3500	0.2000	0.7000			
MAX.		0.3800	0.4000	0.9000	0.0250	0.0150	0.1000
Test Value	0.0200	0.3700	0.2580	0.7600	0.0100	0.0030	0.0400

DIMENSIONAL INSPECTIONS :ACCORDING TO ISO4014-2011 TEST FACILITY: M

SAMPLED BY : YYXIA

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
THREAD LENGTH	15 PCS	JB/T 9151	28		30.7000-30.8800 MM	15	0
MAJOR DIAMETER	4 PCS	JB/T 9151		7.7600-7.9700 MM	7.8300-7.8900 MM	4	0
BODY DIAMETER	4 PCS	JB/T 9151		7.7800-8.0000 MM	7.8500-7.8800 MM	4	0
WIDTH ACROSS CORNERS	4 PCS	JB/T 9151		Min. 14.3800 MM	14.5400-14.6200 MM	4	0
HEIGHT	4 PCS	JB/T 9151		5.1500-5.4500 MM	5.3300-5.4000 MM	4	0
NOMINAL LENGTH	15 PCS	JB/T 9151		169.2000-170.8000 MM	170.1800-170.3600 MM	15	0
WIDTH ACROSS FLATS	4 PCS	JB/T 9151		12.7300-13.0000 MM	12.8200-12.8600 MM	4	0
SURFACE DISCONTINUITIES	22 PCS	ISO6157.3			PASSED	22	0
THREAD	15 PCS	JB/T 9151		6h GO 6h NOGO	PASSED	15	0

MECHANICAL PROPERTIES : ACCORDING TO ISO 898.1-2013 TEST FACILITY: M

SAMPLED BY : DWTING

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
CORE HARDNESS	15 PCS	ISO898.1		22-32 HRC	28.2-29.7 HRC	15	0
SURFACE HARDNESS	15 PCS	ASTM E384			280-294 HV	15	0
TENSILE STRENGTH	4 PCS	ISO898.1		Min. 800 N/MM2	883-891 N/MM2	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.



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