



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 : 2020/01/07

PURCHASER : MAPTCO FASTENERS (AUST) PTY LTD
PO. NUMBER : MAP-1941F
COMMODITY : ISO 4014 HEX HEAD BOLT HALF THREAD CL 8.8
SIZE : M30-P3.50X130
LOT NO : 1B19A1118
SHIP QUANTITY : 300 PCS
HEADMARKS : GENIUS SYMBOL & 8.8
COUNTRY OF ORIGIN : CHINA

PACKING NO : GEM191219001
INVOICE NO : GEM/MAP-200115FRE
PART NO : A1620
SAMPLING PLAN :
ASME B18.18-2017/ASTM F1470-2018
HEAT NO : 19503872-3
MATERIAL : ML40CR
FINISH : H. T. TRIVALENT ZINC PER ASTM
F1941

PERCENTAGE COMPOSITION OF CHEMISTRY : TEST FACILITY : S

Chemistry	C%	Cr%	Mn%	P%	S%	Si%
Spec. : MIN.	0.3800	0.9000	0.6000			
MAX.	0.4500	1.2000	0.9000	0.0350	0.0350	0.3000
Test Value	0.4200	0.9900	0.6600	0.0130	0.0030	0.1600

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	11 PCS	JB/T 9151	72		81.3700-81.4200 MM	11	0
MAJOR DIAMETER	3 PCS	JB/T 9151		29.5300-29.9400 MM	29.7200-29.8000 MM	3	0
BODY DIAMETER	3 PCS	JB/T 9151		29.4800-30.0000 MM	29.7200-29.7800 MM	3	0
WIDTH ACROSS CORNERS	3 PCS	JB/T 9151		Min. 50.8500 MM	52.1000-52.2200 MM	3	0
HEIGHT	3 PCS	JB/T 9151		18.2800-19.1200 MM	18.8600-18.9100 MM	3	0
NOMINAL LENGTH	11 PCS	JB/T 9151		129.2000-130.8000 MM	129.9100-130.2200 MM	11	0
WIDTH ACROSS FLATS	3 PCS	JB/T 9151		45.0000-46.0000 MM	45.5600-45.6200 MM	3	0
SURFACE DISCONTINUITIES	15 PCS	ISO6157.3			PASSED	15	0
THREAD	3 PCS	JB/T 9151		6h G0 6h NOG0	PASSED	3	0

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

SAMPLED BY : LSHWEN

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
CORE HARDNESS	11 PCS	ISO898.1		23-34 HRC	29.6-32 HRC	11	0
SURFACE HARDNESS	11 PCS	ASTM E384			296-320 HV	11	0
TENSILE STRENGTH	3 PCS	ISO898.1		Min. 830 N/MM2	1,010-1,010 N/MM2	3	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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