



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-1941M
COMMODITY : ISO 4014 HEX HEAD BOLT HALF THREAD CL 10.9
SIZE : M30-P3.50X130
LOT NO : 1B19A1117
SHIP QUANTITY : 375 PCS
HEADMARKS : GENIUS SYMBOL & 10.9
COUNTRY OF ORIGIN : CHINA

PACKING NO : GEM200103002
INVOICE NO : GEM/MAP-200317MEL
PART NO : A1619
SAMPLING PLAN :
ASME B18.18-2017/ASTM F1470-2018
HEAT NO : 16502352-3
MATERIAL : SCM440
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.	0.3800	0.9000	0.6000	0.1500			0.1500
MAX.	0.4300	1.2000	0.8500	0.3000	0.0300	0.0300	0.3500
Test Value	0.4000	1.0000	0.6900	0.2000	0.0120	0.0030	0.2000

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

SAMPLED BY : RENDM

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
THREAD LENGTH	9PCS	JB/T 9151	72		79.8900-79.9400 MM	9	0
MAJOR DIAMETER	3PCS	JB/T 9151		29.5300-29.9400 MM	29.7200-29.7800 MM	3	0
BODY DIAMETER	3PCS	JB/T 9151		29.4800-30.0000 MM	29.8100-29.8300 MM	3	0
WIDTH ACROSS CORNERS	3PCS	JB/T 9151		Min. 50.8500 MM	52.0300-52.0600 MM	3	0
HEIGHT	3PCS	JB/T 9151		18.2800-19.1200 MM	18.6800-18.7400 MM	3	0
NOMINAL LENGTH	9PCS	JB/T 9151		129.2000-130.8000 MM	129.9300-129.9800 MM	9	0
WIDTH ACROSS FLATS	3PCS	JB/T 9151		45.0000-46.0000 MM	45.4400-45.5700 MM	3	0
SURFACE DISCONTINUITIES	11PCS	ISO6157.3			PASSED	11	0
THREAD	9PCS	JB/T 9151		6h G0 6h N0G0	PASSED	9	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	9PCS	ISO898.1		32-39 HRC	35.1-37.2 HRC	9	0
SURFACE HARDNESS	9PCS	ASTM E384		Max. 390 HV	352-372 HV	9	0
TENSILE STRENGTH	3PCS	ISO898.1		Min. 1,040 N/MM2	1,100-1,120 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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