



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 : 2019/12/17

PURCHASER : MAPTCO FASTENERS (AUST) PTY LTD
PO. NUMBER : MAP-1928M
COMMODITY : DIN 960 HEX BOLT HALF THREAD FINE THREAD CL 8.8
SIZE : M14-P1.50X100 NF
LOT NO : 1B1971836
SHIP QUANTITY : 1,800 PCS
HEADMARKS : GENIUS SYMBOL & 8.8
COUNTRY OF ORIGIN : CHINA

PACKING NO : GEM191031003
INVOICE NO : GEM/MAP-191216MEL-1
PART NO : B313
SAMPLING PLAN :
ASME B18.18-2017/ASTM F1470-2018
HEAT NO : 956-0175
MATERIAL : 40ACR
FINISH : H. T. TRIVALENT ZINC PER ASTM
F1941

PERCENTAGE COMPOSITION OF CHEMISTRY : TEST FACILITY : S

Chemistry	C%	Cr%	Mn%	P%	S%	Si%
Spec. : MIN.	0.4000	0.2000	0.6000			
MAX.	0.4400	0.4000	0.9000	0.0250	0.0250	0.1000
Test Value	0.4300	0.2500	0.7200	0.0070	0.0020	0.0800

DIMENSIONAL INSPECTIONS : ACCORDING TO DIN 960 TEST FACILITY: M

SAMPLED BY : XJIAOJIAO

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
THREAD LENGTH	15 PCS	JB/T 9151	34		40.0200-40.1600 MM	15	0
MAJOR DIAMETER	4 PCS	JB/T 9151		13.7400-13.9600 MM	13.8200-13.8800 MM	4	0
BODY DIAMETER	4 PCS	JB/T 9151		13.7300-14.0000 MM	13.7600-13.8000 MM	4	0
WIDTH ACROSS CORNERS	4 PCS	JB/T 9151		Min. 24.4900 MM	24.6100-24.6700 MM	4	0
HEIGHT	4 PCS	JB/T 9151		8.6200-8.9800 MM	8.8000-8.8300 MM	4	0
NOMINAL LENGTH	15 PCS	JB/T 9151		99.3000-100.7000 MM	99.6600-100.1000 MM	15	0
WIDTH ACROSS FLATS	4 PCS	JB/T 9151		21.6700-22.0000 MM	21.7000-21.8000 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 : TANGHAO

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
CORE HARDNESS	15 PCS	ISO898.1		22-32 HRC	28.2-30 HRC	15	0
SURFACE HARDNESS	15 PCS	ASTM E384			282-300 HV	15	0
TENSILE STRENGTH	4 PCS	ISO898.1		Min. 800 N/MM2	886-903 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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