



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

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DATE : 2020/01/04

PURCHASER : MAPTCO FASTENERS (AUST) PTY LTD
PO. NUMBER : MAP-1946M
COMMODITY : DIN 934 HEX NUTS CL 8
SIZE : M20-P1.50 NS
LOT NO : 1N19BD069
SHIP QUANTITY : 1,125 PCS
HEADMARKS : GENIUS SYMBOL & |8|
COUNTRY OF ORIGIN : CHINA

PACKING NO : GEM191224003
INVOICE NO : GEM/MAP-200106MEL
PART NO : N176
SAMPLING PLAN :
ASME B18.18-2017/ASTM F1470-2018
HEAT NO : 17502221-3
MATERIAL : 40CR
FINISH : H. T. TRIVALENT ZINC PER ASTM
F1941

PERCENTAGE COMPOSITION OF CHEMISTRY : TEST FACILITY : S

Chemistry	C%	Cr%	Mn%	P%	S%	Si%
Spec. : MIN.	0.3700	0.8000	0.5000			0.1700
MAX.	0.4400	1.1000	0.8000	0.0250	0.0250	0.3700
Test Value	0.4100	0.9900	0.6900	0.0150	0.0030	0.1300

DIMENSIONAL INSPECTIONS : ACCORDING TO DIN934-1987 TEST FACILITY: M

SAMPLED BY : YUQIAN

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
WIDTH ACROSS CORNERS	4PCS	JB/T 9151		Min. 32.9500 MM	33.6500-33.7400 MM	4	0
THICKNESS	4PCS	JB/T 9151		14.9000-16.0000 MM	15.0500-15.2600 MM	4	0
WIDTH ACROSS FLATS	4PCS	JB/T 9151		29.1600-30.0000 MM	29.4000-29.4800 MM	4	0
SURFACE DISCONTINUITIES	22PCS	ISO6157			PASSED	22	0
THREAD	15PCS	JB/T 9151		6H GO 6H NOGO	PASSED	15	0

MECHANICAL PROPERTIES : ACCORDING TO DIN267.4-1983 TEST FACILITY: M

SAMPLED BY : HJJIE

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
CORE HARDNESS	15PCS	ISO898.2		Max. 302 HV	286-292 HV	15	0
PROOF LOAD	4PCS	ISO898.2		Min. 22,245 KGF	OK	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.

SIGNATURE : _____