



**GEM-YEAR TESTING LABORATORY
CERTIFICATE OF INSPECTION**

MANUFACTURER: GEM-YEAR INDUSTRIAL CO., LTD.
 ADDRESS: NO.8GEM-YEAR
 ROAD,E.D.Z.JIASHAN,ZHEJIANG,P.R.CHINA
 PURCHASER: MAPTCO FASTENERS (AUST) PTY LTD
 PO. NUMBER: MAP-2011M
 COMMODITY: ISO 4032 NUTS CL 8
 SIZE: M27-3.00
 LOT NO: 1N2030511
 SHIP QUANTITY: 2,500 PCS
 HEADMARKS: GENIUS SYMBOL & 8
 COUNTRY OF ORIGIN: CHINA

TEL: (0573) 84185001 (48Lines)
 FAX: (0573) 84184488 84184567
 DATE: 2020/06/17
 PACKING NO: GEM200528003
 INVOICE NO: GEM/MAP-200620MEL
 PART NO: N307
 SAMPLING PLAN:
 ASME B18.18-2017/ASTM F1470-2018
 HEAT NO: 20101131
 MATERIAL: 1045K
 FINISH: H. T. TRIVALENT ZINC PER ASTM F1941

PERCENTAGE COMPOSITION OF CHEMISTRY: TEST FACILITY :S

Chemistry	C%	Mn%	P%	S%	Si%
Spec.:MIN.	0.4200	0.6000			0.1000
MAX.	0.4800	0.9000	0.0300	0.0350	0.3500
Test Value	0.4500	0.7300	0.0190	0.0030	0.1300

DIMENSIONAL INSPECTIONS: ACCORDING TO ISO 4032 TEST FACILITY : M

SAMPLED BY: ZHONGLI

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
WIDTH ACROSS FLATS	4 PCS	JB/T 9151		40.0000-41.0000 MM	40.2100-40.8600 MM	4	0
SURFACE DISCONTINUITIES	22 PCS	IS06157			PASSED	22	0
THICKNESS	4 PCS	JB/T 9151		22.5000-23.8000 MM	22.5800-23.5600 MM	4	0
WIDTH ACROSS CORNERS	4 PCS	JB/T 9151		Min. 45.2000 MM	45.2000-45.2500 MM	4	0
THREAD	15 PCS	JB/T 9151		6H GO 6H NOGO	PASSED	15	0

MECHANICAL PROPERTIES: ACCORDING TO ISO898.2 TEST FACILITY : M

SAMPLED BY: ZHAOQING

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
CORE HARDNESS	15 PCS	IS0898.2		233-353 HV	320-340 HV	15	0
PROOF LOAD	4 PCS	IS0898.2		Min. 43,092 KGF	OK	4	0

ALL TESTS ARE IN ACCORDANCE WITH THE METHODS PRESCRIBED IN THE APPLICABLE ASTM/SAE/ASME. 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: