



**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-2011F
 COMMODITY: ISO 4032 NUTS CL 8
 SIZE: M22-2. 50
 LOT NO: 1N2090433
 SHIP QUANTITY: 4, 000 PCS
 HEADMARKS: GENIUS SYMBOL & 8
 COUNTRY OF ORIGIN: CHINA

TEL: (0573) 84185001 (48Lines)
 FAX: (0573) 84184488 84184567
 DATE: 2020/10/27
 PACKING NO: GEM201014002
 INVOICE NO: GEM/MAP-201030FRE
 PART NO: N303
 SAMPLING PLAN:
 ASME B18.18-2017/ASTM F1470-2018
 HEAT NO: 20201317
 MATERIAL: 10B33
 FINISH: H. T. PLAIN

PERCENTAGE COMPOSITION OF CHEMISTRY: TEST FACILITY :S

Chemistry	B%	C%	Mn%	P%	S%	Si%
Spec.:MIN.	0.0008	0.2900	0.7000			
MAX.	0.0030	0.3800	1.0000	0.0250	0.0250	0.4000
Test Value	0.0026	0.3500	0.7900	0.0180	0.0050	0.1400

DIMENSIONAL INSPECTIONS: ACCORDING TO ISO 4032 TEST FACILITY : M

SAMPLED BY: ZHANGHONGYUN

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
SURFACE DISCONTINUITIES	22 PCS	IS06157			PASSED	22	0
WIDTH ACROSS CORNERS	4 PCS	JB/T 9151		Min. 37.2900 MM	37.5300-37.5600 MM	4	0
WIDTH ACROSS FLATS	4 PCS	JB/T 9151		33.0000-34.0000 MM	33.5200-33.5500 MM	4	0
THICKNESS	4 PCS	JB/T 9151		18.1000-19.4000 MM	18.8600-18.8800 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: CHENGMINGHANG

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
PROOF LOAD	4 PCS	IS0898.2		Min. 28,449 KGF	OK	4	0
CORE HARDNESS	15 PCS	IS0898.2		233-353 HV	322-327 HV	15	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: