



**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-2022S
 COMMODITY: ISO 4032 NUTS CL 10
 SIZE: M33-3.50
 LOT NO: 1N2051101
 SHIP QUANTITY: 480 PCS
 HEADMARKS: GENIUS SYMBOL & 10
 COUNTRY OF ORIGIN: CHINA

TEL: (0573) 84185001 (48Lines)
 FAX: (0573) 84184488 84184567
 DATE: 2020/10/16
 PACKING NO: GEM200918001
 INVOICE NO: GEM/MAP-201019SYD
 PART NO: N699
 SAMPLING PLAN:
 ASME B18.18-2017/ASTM F1470-2018
 HEAT NO: 20301038
 MATERIAL: 1045K
 FINISH: H. T. PLAIN

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	0.7200	0.0110	0.0070	0.1300

DIMENSIONAL INSPECTIONS: ACCORDING TO ISO 4032 TEST FACILITY : M

SAMPLED BY: DOUSHUCHANG

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
SURFACE DISCONTINUITIES	18 PCS	IS06157			PASSED	18	0
WIDTH ACROSS CORNERS	3 PCS	JB/T 9151		Min. 55.3700 MM	56.4800-56.5200 MM	3	0
THICKNESS	3 PCS	JB/T 9151		27.4000-28.7000 MM	28.0100-28.2500 MM	3	0
WIDTH ACROSS FLATS	3 PCS	JB/T 9151		49.0000-50.0000 MM	49.1700-49.2700 MM	3	0
THREAD	13 PCS	JB/T 9151		6H GO 6H NOGO	PASSED	13	0

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

SAMPLED BY: HONGZHENGUI

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
CORE HARDNESS	13 PCS	IS0898.2		272-353 HV	292-325 HV	13	0
PROOF LOAD	5 PCS	IS0898.2		Min. 75,061 KGF	OK	5	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: