



**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-2003S
 COMMODITY: ISO 4017 HEX HEAD BOLT FULL THREAD CL 8.8
 SIZE: M6-1.00X75
 LOT NO: 1B2020515
 SHIP QUANTITY: 12,600 PCS
 HEADMARKS: GENIUS SYMBOL & 8.8
 COUNTRY OF ORIGIN: CHINA

TEL: (0573) 84185001 (48Lines)
 FAX: (0573) 84184488 84184567
 DATE: 2020/07/10
 PACKING NO: GEM200521016
 INVOICE NO: GEM/MAP-200713SYD
 PART NO: A067
 SAMPLING PLAN:
 ASME B18.18-2017/ASTM F1470-2018
 HEAT NO: 19212232-4
 MATERIAL: 35ACR
 FINISH: H. T. TRIVALENT ZINC PER ASTM F1941

PERCENTAGE COMPOSITION OF CHEMISTRY: TEST FACILITY :S

Chemistry	Al%	C%	Cr%	Mn%	P%	S%	Si%
Spec.:MIN.	0.0100	0.3500	0.2000	0.6000			
MAX.		0.3900	0.4000	0.9000	0.0250	0.0250	0.1000
Test Value	0.0210	0.3600	0.2600	0.7500	0.0110	0.0040	0.0600

DIMENSIONAL INSPECTIONS: ACCORDING TO ISO4017-2014 TEST FACILITY : M

SAMPLED BY: ZHONGLI

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
WIDTH ACROSS CORNERS	4 PCS	JB/T 9151		Min. 11.0500 MM	11.0500-11.1100 MM	4	0
MAJOR DIAMETER	4 PCS	JB/T 9151		5.8000-5.9700 MM	5.8600-5.9600 MM	4	0
NOMINAL LENGTH	15 PCS	JB/T 9151		74.4000-75.6000 MM	74.8600-75.2500 MM	15	0
SURFACE DISCONTINUITIES	29 PCS	IS06157.3			PASSED	29	0
WIDTH ACROSS FLATS	4 PCS	JB/T 9151		9.7800-10.0000 MM	9.8500-9.9500 MM	4	0
HEIGHT	4 PCS	JB/T 9151		3.8500-4.1500 MM	3.9500-4.0500 MM	4	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: ZHAOQING

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
CORE HARDNESS	15 PCS	IS0898.1		22-32 HRC	29-31 HRC	15	0
SURFACE HARDNESS	15 PCS	ASTM E384		Max. 350 HV	280-320 HV	15	0
TENSILE STRENGTH	4 PCS	IS0898.1		Min. 800 N/MM2	889-904 N/MM2	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: