



**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-1941S

COMMODITY: ISO 4017 HEX HEAD BOLT FULL THREAD CL 8.8

SIZE: M24-3.00X130

LOT NO: 1B14C0861

SHIP QUANTITY: 600 PCS

HEADMARKS: GENIUS SYMBOL & 8.8

COUNTRY OF ORIGIN: CHINA

TEL: (0573) 84185001 (48Lines)

FAX: (0573) 84184488 84184567

DATE: 2020/05/18

PACKING NO: GEM200426003

INVOICE NO: GEM/MAP-200518SYD

PART NO: A1423

SAMPLING PLAN:
ASME B18.18-2017/ASTM F1470-2018

HEAT NO: 331402253

MATERIAL: 10B33

FINISH: H. T. PLAIN

PERCENTAGE COMPOSITION OF CHEMISTRY: TEST FACILITY :S

Chemistry	C%	Mn%	P%	S%	Si%	B%
Spec.:MIN.	0.2900	0.7000				0.0008
MAX.	0.3800	1.0000	0.0250	0.0250	0.4000	0.0030
Test Value	0.3400	0.8200	0.0150	0.0050	0.2100	0.0021

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

SAMPLED BY: XUJIAOJIAO

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ.
WIDTH ACROSS FLATS	4 PCS	JB/T 9151		35.3800-36.0000 MM	35.6700-35.7400 MM	4	0
HEIGHT	4 PCS	JB/T 9151		14.7900-15.2100 MM	15.1100-15.1900 MM	4	0
MAJOR DIAMETER	4 PCS	JB/T 9151		23.5800-23.9500 MM	23.8100-23.8600 MM	4	0
NOMINAL LENGTH	15 PCS	JB/T 9151		129.2000-130.8000 MM	129.6700-129.9100 MM	15	0
SURFACE DISCONTINUITIES	22 PCS	ISO6157.3			PASSED	22	0
WIDTH ACROSS CORNERS	4 PCS	JB/T 9151		Min. 39.9800 MM	40.7900-40.8400 MM	4	0
THREAD	15 PCS	JB/T 9151		6g GO 6g NOGO	PASSED	15	0

MECHANICAL PROPERTIES: ACCORDING TO ISO 898.1-2013 TEST FACILITY : M

SAMPLED BY: DAIWENTING

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ.
SURFACE HARDNESS	15 PCS	ASTM E384		Max. 365 HV	280-295 HV	15	0
CORE HARDNESS	15 PCS	ISO898.1		23-34 HRC	28-30 HRC	15	0
TENSILE STRENGTH	4 PCS	ISO898.1		Min. 830 N/MM2	900-914 N/MM2	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: