



**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-1946S
 COMMODITY: ISO 4014 HEX HEAD BOLT HALF THREAD CL 10.9
 SIZE: M20-2.50X200
 LOT NO: 1B19B0849
 SHIP QUANTITY: 680 PCS
 HEADMARKS: GENIUS SYMBOL & 10.9
 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: A1205
 SAMPLING PLAN:
 ASME B18.18-2017/ASTM F1470-2018
 HEAT NO: B376035A
 MATERIAL: SCM435
 FINISH: H. T. TRIVALENT ZINC 5U HYDROGEN
 RELEASE

PERCENTAGE COMPOSITION OF CHEMISTRY: TEST FACILITY :S

Chemistry	C%	Cr%	Mn%	Mo%	Ni%	P%	S%	Si%
Spec.:MIN.	0.3300	0.9000	0.6000	0.1500				0.1500
MAX.	0.3800	1.2000	0.8500	0.3000	0.2500	0.0250	0.0250	0.3500
Test Value	0.3600	0.9800	0.6300	0.1900	0.0300	0.0060	0.0010	0.2400

DIMENSIONAL INSPECTIONS: ACCORDING TO ISO4014-2011 TEST FACILITY : M

SAMPLED BY: HANFANGRONG

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ.
NOMINAL LENGTH	13 PCS	JB/T 9151		199.0800-200.9200 MM	199.4500-200.1000 MM	13	0
WIDTH ACROSS FLATS	3 PCS	JB/T 9151		29.6700-30.0000 MM	29.7500-29.8700 MM	3	0
HEIGHT	3 PCS	JB/T 9151		12.2900-12.7100 MM	12.3400-12.6700 MM	3	0
THREAD LENGTH	13 PCS	JB/T 9151	52		54.4500-54.7200 MM	13	0
SURFACE DISCONTINUITIES	18 PCS	ISO6157.3			PASSED	18	0
BODY DIAMETER	3 PCS	JB/T 9151		19.6700-20.0000 MM	19.6800-19.7500 MM	3	0
WIDTH ACROSS CORNERS	3 PCS	JB/T 9151		Min. 33.5300 MM	34.6500-34.7800 MM	3	0
MAJOR DIAMETER	3 PCS	JB/T 9151		19.6300-19.9500 MM	19.6500-19.7200 MM	3	0
THREAD	13 PCS	JB/T 9151		6h GO 6h NOGO	PASSED	13	0

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

SAMPLED BY: TANGHAO

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ.
TENSILE STRENGTH	3 PCS	ISO898.1		Min. 1,040 N/MM2	1,110-1,114 N/M	3	0
CORE HARDNESS	13 PCS	ISO898.1		32-39 HRC	35-37 HRC	13	0
SURFACE HARDNESS	13 PCS	ASTM E384		Max. 390 HV	340-356 HV	13	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.



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-1946S
COMMODITY: ISO 4014 HEX HEAD BOLT HALF THREAD CL 10.9
SIZE: M20-2.50X200
LOT NO: 1B19B0849
SHIP QUANTITY: 680 PCS
HEADMARKS: GENIUS SYMBOL & 10.9
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: A1205
SAMPLING PLAN:
ASME B18.18-2017/ASTM F1470-2018
HEAT NO: B376035A
MATERIAL: SCM435
FINISH: H. T. TRIVALENT ZINC 5U HYDROGEN
RELEASE

SIGNATURE:
