GEM-YEAR TESTING LABORATORY
CERTIFICATE OF INSPECTION

TESTING CERT 1292-01
MECHANICAL TESTING

MANUFACTURER GEM-YEAR INDUSTRIAL CO., LTD.
ADDRESS : NO.8 GEM-YEAR ROAD,E.D.Z.,JIASHAN,ZHEJIANG,P.R.CHINA
Tel: (0573)84185001(48Lines)
Fax: (0573)84184488 84184567
DATE : 2012/05/22

PURCHASER : PORTEOUS FASTENER COMPANY.
PO. NUMBER : 12021408C3
COMMODITY : HEX CAP SCREW GR-5
SIZE : 3/4-10X6-1/2 NC
LOT NO : 1B1230476
SHIP QUANTITY : 2,160 PCS
HEADMARKS : CYI & 3 RADIAL LINES
COUNTRY OF ORIGINAL : CHINA

PACKING NO : GEM120425028
INVOICE NO : GEM/PFC-120524 NJ
PART NO : 00050-3261-021
SAMPLING PLAN : ASME B18.18.2
HEAT NO : 12300603-4
MATERIAL : X40ACR
FINISH : H.T. TRIVALENT ZINC

PERCENTAGE COMPOSITION OF CHEMISTRY :

Chemistry	Al%	C%	Cr%	Mn%	P%	S%	Si%
Spec. : MIN.	0.0100	0.4000	0.2000	0.6000			
MAX.		0.4400	0.4000	0.9000	0.0300	0.0300	0.1000
Test Value	0.0280	0.4100	0.2970	0.8500	0.0140	0.0030	0.0500

DIMENSIONAL INSPECTIONS :ACCORDING TO ASME/ANSI B18.2.1
TEST DATE : 2012/04/24 SAMPLED BY : GDAN LIAN SAMPLING DATE : 2012/04/24

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
THREAD LENGTH	13 PCS	MIL-STD-120		Min. 44.450 MM	54.930-55.040 MM	13	0
MAJOR DIAMETER	3 PCS	MIL-STD-120		18.670-19.000 MM	18.870-18.900 MM	3	0
BODY DIAMETER	3 PCS	MIL-STD-120		18.820-19.050 MM	18.870-18.880 MM	3	0
WIDTH ACROSS CORNERS	3 PCS	MIL-STD-120		31.860-32.990 MM	32.130-32.140 MM	3	0
HEIGHT	3 PCS	MIL-STD-120		11.560-12.260 MM	12.090-12.130 MM	3	0
NOMINAL LENGTH	13 PCS	MIL-STD-120		160.530-165.100 MM	161.110-161.170 MM	13	0
WIDTH ACROSS FLATS	13 PCS	MIL-STD-120		27.940-28.570 MM	28.120-28.200 MM	13	0
SURFACE DISCONTINUITIES	18 PCS	ASTM F812			PASSED	18	0
THREAD	3 PCS	MIL-STD-120		3A	PASSED	3	0

MECHANICAL PROPERTIES : ACCORDING TO SAE J 429-2011
TEST DATE : 2012/04/19 SAMPLED BY : ZHU YI LONG SAMPLING DATE : 2012/04/19

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
CORE HARDNESS	18 PCS	ASTM F606/F606M		25-34 HRC	29-32 HRC	18	0
SURFACE HARDNESS	18 PCS	ASTM E18		Max. 54 HR30N	46-50 HR30N	18	0
TENSILE STRENGTH	13 PCS	ASTM F606/F606M		Min. 120 KSI	130-134 KSI	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.

WE CERTIFY THE PARTS ARE ROHS COMPLIANT.
THIS CERTIFIED MATERIAL TEST REPORT APPLIES TO THE SAMPLES TESTED AND IT CANNOT BE REPRODUCED EXCEPT IN FULL.

SIGNATURE : _____