Packing List # 1609317 Customer PO # P1221968

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 : 2012/01/30

PURCHASER : PORTEOUS FASTENER COMPANY.
PO. NUMBER : 11102728C3
COMMODITY : HEX CAP SCREW GR-5
SIZE : 1-8X3 NC
LOT NO : 1B11B1123
SHIP QUANTITY : 4,680 PCS
HEADMARKS : CYI & 3 RADIAL LINES
COUNTRY OF ORIGINAL : CHINA

PACKING NO : GEM120111010
INVOICE NO : GEM/PFC-120123 CH-2B
PART NO : 00050-4030-021
SAMPLING PLAN : ASME B18.18.2
HEAT NO : 331108193
MATERIAL : 40CR
FINISH : H.T. TRIVALENT ZINC

PERCENTAGE COMPOSITION OF CHEMISTRY :

Chemistry	C%	Cr%	Mn%	P%	S%	Si%
Spec. : MIN.	0.3800	0.9000	0.6000			
MAX.	0.4500	1.2000	0.9000	0.0350	0.0350	0.3000
Test Value	0.3900	0.9500	0.7700	0.0110	0.0070	0.2200

DIMENSIONAL INSPECTIONS :ACCORDING TO ASME/ANSI B18.2.1

TEST DATE : 2011/12/28 SAMPLED BY : SHENHUAZ SAMPLING DATE : 2011/12/28

INSPECTIONS ITEM	SAMPLE	TEST METHOD	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
MAJOR DIAMETER	8 PCS	MIL-STD-120	25.020-25.330 MM	25.120-25.240 MM	8	0
WIDTH ACROSS CORNERS	8 PCS	MIL-STD-120	42.550-43.990 MM	42.840-42.920 MM	8	0
HEIGHT	8 PCS	MIL-STD-120	15.020-15.920 MM	15.410-15.440 MM	8	0
NOMINAL LENGTH	32 PCS	MIL-STD-120	72.650-76.200 MM	73.910-74.010 MM	32	0
WIDTH ACROSS FLATS	32 PCS	MIL-STD-120	37.320-38.100 MM	37.360-37.450 MM	32	0
SURFACE DISCONTINUITIES	100 PCS	ASTM F812		PASSED	100	0
THREAD	8 PCS	MIL-STD-120	3A	PASSED	8	0

MECHANICAL PROPERTIES : ACCORDING TO SAE J 429-1999

TEST DATE : 2011/12/18 SAMPLED BY : REN PING SAMPLING DATE : 2011/12/18

INSPECTIONS ITEM	SAMPLE	TEST METHOD	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
CORE HARDNESS	22 PCS	ASTM F606/F606M	25-34 HRC	29-31 HRC	22	0
SURFACE HARDNESS	22 PCS	ASTM E18	Max. 54 HR30N	48-52 HR30N	22	0
TENSILE STRENGTH	15 PCS	ASTM F606/F606M	Min. 120 KSI	127-135 KSI	15	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 : _____