



BANGKOK FASTENING CO.,LTD.

TEST CERTIFICATE

CERTIFICATE OF CONFORMITY EN 10204 - 3.1

99/4 MOO.7 BANGNA - TRAD KM.19,BANGPLEE
SAMUTHPRAKARN 10540, THAILAND
TEL. 66-023126159-65 FAX.66-023126166
E-MAIL ADDRESS: info@bfcthai.com
website: www.bfcthai.com

CUSTOMER :	XL SCREW CORPORATION	PART NAME :	HEX CAP SCREWS	QUANTITY :	3,240 Pcs.
SALE CONTRACT NO :	B346/19/06	ITEM :	ASME B 18.2.1	PART NO :	2-025-001560
MECHANICAL PROPERTY :	GRADE 2 SAE J429 2014				
LOT NO :	1907 - 1082	SIZE :	3/4" - 10UNC x 2.1/4" BFC	MATERIAL :	10B30
DATE :	20/02/21	PO NO :	17880	HEAT NO :	18B414029
SURFACE :	ZINC PLATED Cr + 3				

DIMENSIONS TEST (N = 3 Pcs.)

MEASURED DESCRIPTION	THREAD	THREAD	THREAD LENGTH	LENGTH	WIDTH ACROSS CORNERS	WIDTH ACROSS FLATS	HEAD HEIGHT	THICKNESS OF THE WASHER FACE	DIAMETER OF WASHER FACE	RADIUS OF FILLET	BODY DIAMETER	FILLET TRANSITION DIAMETER	BODY LENGTH
INSTRUMENT	GO GAUGE	NOT GO GAUGE	DIAL VERNIER	DIAL VERNIER	DIAL VERNIER	DIAL VERNIER	DIAL VERNIER	PROFILE	PROFILE	PROFILE	MICRO METER	PROFILE	DIAL VERNIER
STANDARD	CLASS 3A	CLASS 2A	-	2.170	1.254	1.100	0.455	0.015	1.013	0.020	-	0.840	-
				2.250	1.299	1.125	0.483	0.025	MIN	0.045		MAX	
MEAN VALUE	GOOD	GOOD	-	2.236	1.261	1.102	0.478	0.022	1.028	0.039	-	0.764	-

MECHANICAL PROPERTY TEST (N = 3 Pcs.)

COATING TEST (N = 3 Pcs.)

ROCKWELL HARDNESS		TENSILE STRENGTH		-		FILM THICKNESS ⁽¹⁾	
STANDARD	80.0 - 100.0 HRB	STANDARD	MIN 74,000 PSI	STANDARD	-	STANDARD	MIN 8 μ m ⁽²⁾
MEAN VALUE	83.0	MEAN VALUE	75,102	-	-	MEAN VALUE	12.2

REFERENCE MILL CERTIFICATE NO : 181217C00256

CHEMICAL COMPOSITION (%)

(ANALYSIS BY MILL)	ELEMENT	C	Si	Mn	P	S	Cr
		0.280	0.220	0.750	0.010	0.002	0.170

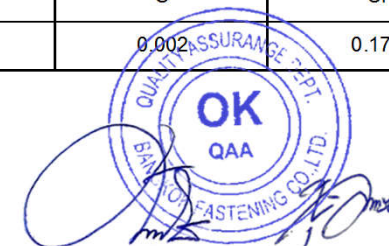
REMARK : The complete certificate is confirmed by QAA stamp only

(1) use magnetic scanner, which the result might be different result compared with X-ray scanner

The check point is flat on top of head or WAF surface.

(2) Reference Standard ISO 4042

AUTHORIZED SIGNATURE :


QAA MANAGER QAF CHIEF



江苏永钢集团有限公司产品质量证明书

Jiangsu Yonggang Group Co., Ltd. Mill Test Certificate

181217C00256

YG14-R-14047

需方 Customer	BANGKOK FASTENING CO.,LTD			产品名称 Commodity	冷锻和冷挤压用钢 Steel For Cold Heading And Cold Extruding		
合同号 Contract No.	A9001809101-WR	生产许可证号 Production Cert. No.		技术标准 Standard	YGJX-WA-002-2017		
牌号 Grade	10B30	生产工艺 Manufacturing processes		钢筋标识			
提货日期 Date of Delivery	20181217	出库单号 No. of Delivery	SD18120017	交货状态 Condition of delivery			
				Rolling mark			
				综合判定 Comprehensive judgment	合格 Pass		

轧制批号 Batch No.	炉号 Heat No.	产品规格 Size (mm)	生产日期 Producing Date	长度 Length (m)	件数 Bundles	重量 Weigh (t)	化学成份(%) Chemical Composition														A01 屈服强度 MPa	A02 抗拉强度 MPa	A03 断后伸长率 %	A05 断面收缩率 %	E09 总脱碳层 mm	O01 冷顶锻
							C	Si	Mn	P	S	Cr	Ni	Cu	Mo	B	Al	V	Ti							
							10 ⁻²	10 ⁻²	10 ⁻²	10 ⁻³	10 ⁻³	10 ⁻²	10 ⁻²	10 ⁻²	10 ⁻²	10 ⁻⁴	10 ⁻³	10 ⁻³	10 ⁻³							
X51811099003	18B414029	19	20181114		13	26.617	28	22	75	10	2	17	2	2	1	20	40	3	68	353 363	569 570	18.0 18.5	41 40	0.1001/3 0.1001/3	OK OK	
X51811099002	18B414030	19	20181114		20	40.972	28	20	76	10	3	18	1	2	1	21	37	3	65	380 369	577 569	19.5 18.5	40 41	0.1001/3 0.0901/3	OK OK	
X51811099001	18B414031	19	20181114		18	36.827	28	19	76	15	4	17	2	2	1	22	30	3	65	370 370	579 571	17.5 18.5	40 40	0.1001/3 0.1001/3	OK OK	
合计Total:						51	104.416																			

注释

A01=屈服强度 Yield Strength(Re)
A02=抗拉强度 Tensile Strength(Rm)
A03=断后伸长率 Percentage Elongation After Fracture
A05=断面收缩率 Percentage Reduction Of Area
E09=总脱碳层 Decarburizaion
O01=冷顶锻 Cold heading

备注

1、本品在生产日期7日后方可使用。
2、质量证明书复印件不作有效证明文件！
1、 Wire rod can be used only after 7 days from date of manufacture.
2、 The Copy of this Certificate is not effective!



21 S.N. 2561

检验(Test):

邮政编码(Post Code):215628

制单(Signature):徐燕

签证日期(Date of Issue): 20181217

销售电话(Sales Tel):

0086-512-58619836 0086-512-58619588

厂址(Address): 江苏省张家港市南丰镇永联(Yonglian Village, Nanfeng Town, Zhangjiagang City, Jiangsu,China)

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江苏永钢集团有限公司