

TONG MING ENTERPRISE (ZHEJIANG) CO.,LTD. TEST LABORATORY

质量保证书 (CERTIFICATE OF INSPECTION)

客户名称: PURCHASER
客户地址: ADDRESS
项目号: D0912134CCNP16005000
CUST P/N
制造日期: 2019-07-12
MFR. DATE
抽样日期: 2019-07-18
Sampling Date
检测日期: 2019-07-18
Test Date
制造商:
MFR

订单号码: PO#NO
短项目号: 4263
ITEM NO
标准: DIN912-1983
COMMODITY
品名: 内六角螺丝(滚花)
Product Name Hex Socket Screws(Knurled)
印记: A2-70 THE
MARKING
规格: M16-2 X 50
SIZE
抽样计划: ANST/ASMEF18.18.2M-1987
Sample Plan spec

报告编号: Report Code
实发数量: SHIP QTY
材质: A2(304)
MATERIAL TYPE
批号: 213499490002
LOT NO
炉号: 5X190
HEAT NO

尺寸检验 DIMENSIONAL INSPECTIONS

测试方法(SAMPLE STANDARD):DIN912-1983

测试项目 (CHARACTERISTICS)	标准值 (SPECIFICATION)	实测值 (ACTUAL RESULT)	测试判定 (SAMPLE DETERMINANT)
圆头径 Head Diameter	23.67 <—> 24.33	23.77 <—> 23.82	合格(Qualified)
头部厚度 Head Height	15.57 <—> 16	15.7 <—> 15.72	合格(Qualified)
长度 Nominal Length	49.5 <—> 50.5	49.81 <—> 49.86	合格(Qualified)
深度 Drive Depth	8min	8.56 <—> 8.59	合格(Qualified)
内对边宽 Drive Width	14.03 <—> 14.21	14.05 <—> 14.09	合格(Qualified)
螺纹最大径 Major Diameter	15.682 <—> 15.962	15.8 <—> 15.83	合格(Qualified)
螺纹有效径 Pitch Diameter(GO/NOGO)	14.503 <—> 14.663	检验合格(PASSED)	合格(Qualified)

机械性能 MECHANICAL PROPERTIES

测试方法(SAMPLE STANDARD):ISO3506-1:2009

测试项目 (CHARACTERISTICS)	标准值 (SPECIFICATION)	实测值 (ACTUAL RESULT)	测试判定 (SAMPLE DETERMINANT)
抗拉强度(N/mm ²) Tensile Strength(N/mm ²)	700min	770 <—> 780	合格(Qualified)
降伏强度(N/mm ²) Yield Strength(N/mm ²)	450min	650 <—> 660	合格(Qualified)
伸长量(mm) Extension(mm)	6.4min	9 <—> 10	合格(Qualified)

化学成分 CHEMICAL COMPOSITION% (除标明范围外, 其余均为最大值. Maximum Value Or Range.)

炉号HeatNumber	C	Si	Mn	P	S	Ni	Cr	测试判定 (SAMPLE DETERMINANT)
标准值Specification	0.08	1	2	0.045	0.03	8—10.5	18—20	
5X190	0.039	0.36	1.87	0.003	0.0037	8.02	18.16	合格(Qualified)

JiaJuan.sken

Authorization

Verification

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2019-12-10
Date

声明: 该报告除非获得实验室书面同意, 证书或报告不得摘录、复制, 但全部复制除外

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1、测试半牙螺丝的单位是HRC, 测试全牙螺丝、螺帽和牙条的单位是HRB(S).

HRC for Screw Bolt with partial thread;HRB(S) for Nut, Thread rod and Bolt Screw with full thread.

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Zip: 314000

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质量保证书 (CERTIFICATE OF INSPECTION)

客户名称:	PURCHASER	订单号码:	PO#NO	报告编号:	Report Code
客户地址:	ADDRESS	短项目号:	4249	实发数量:	SHIP QTY
项目号:	D0912134CCNP16003500	标准:	DIN912-1983	材质:	A2(304)
CUST P/N		COMMODITY		MATERIAL TYPE	
制造日期:	2019-05-24	品名:	内六角螺丝(滚花)	批号:	700459110001
MFR. DATE		Product Name	Hex Socket Screws(Knurled)	LOT NO	
抽样日期:	2019-05-30	印记:	A2-70 THE	炉号:	YA15533
Sampling Date		MARKING		HEAT NO	
检测日期:	2019-05-30	规格:	M16-2 X 35	表面处理:	洗光
Test Date		SIZE		Surface Treatment	
制造商:		抽样计划:	ANSI/ASMEB18.18.2M-1987		
MFR		Sample Plan spec			

尺寸检验 DIMENSIONAL INSPECTIONS

测试方法(SAMPLE STANDARD):DIN912-1983

测试项目 (CHARACTERISTICS)	标准值 (SPECIFICATION)	实测值 (ACTUAL RESULT)	测试判定 (SAMPLE DETERMINANT)
圆头径 Head Diameter	23.67 <—> 24.33	23.7 <—> 23.74	合格(Qualified)
头部厚度 Head Height	15.57 <—> 16	15.72 <—> 15.74	合格(Qualified)
长度 Nominal Length	34.5 <—> 35.5	34.9 <—> 35	合格(Qualified)
深度 Drive Depth	8min	8.85 <—> 8.88	合格(Qualified)
内对边宽 Drive Width	14.03 <—> 14.21	14.03 <—> 14.05	合格(Qualified)
螺纹最大径 Major Diameter	15.682 <—> 15.962	15.78 <—> 15.8	合格(Qualified)
螺纹有效径 Pitch Diameter(GO/NOGO)	14.503 <—> 14.663	检验合格(PASSED)	合格(Qualified)

机械性能 MECHANICAL PROPERTIES

测试方法(SAMPLE STANDARD):ISO3506-1:2009

测试项目 (CHARACTERISTICS)	标准值 (SPECIFICATION)	实测值 (ACTUAL RESULT)	测试判定 (SAMPLE DETERMINANT)
破坏扭矩(N.m) Breaking Torque(N.m)	290min	430 <—> 440	合格(Qualified)

化学成分 CHEMICAL COMPOSITION% (除标明范围外, 其余均为最大值. Maximum Value Or Range.)

炉号HeatNumber	C	Si	Mn	P	S	Ni	Cr	测试判定 (SAMPLE DETERMINANT)
标准值Specification	0.08	1	2	0.045	0.03	8—10.5	18—20	
YA15533	0.033	0.39	0.83	0.031	0.001	8.13	18.22	合格(Qualified)

Jia Juan. Shen

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Authorization

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质量保证书 (CERTIFICATE OF INSPECTION)

客户名称: PURCHASER
客户地址: ADDRESS
项目号: D0912134CCNP08003500
CUST P/N
制造日期: 2019-09-06
MFR. DATE
抽样日期: 2019-09-12
Sampling Date
检测日期: 2019-09-12
Test Date
制造商: MFR

订单号码: PO#NO
短项目号: 1365
ITEM NO
标准: DIN912-1983
COMMODITY
品名: 内六角螺丝(滚花)
Product Name Hex Socket Screws (Knurled)
印记: A2-70 THE
MARKING
规格: M8-1.25 X 35
SIZE
抽样计划: ANSI/ASME B18.18.2M-1987
Sample Plan spec

报告编号: Report Code
实发数量: SHIP QTY
材质: A2(304)
MATERIAL TYPE
批号: 213938470001
LOT NO
炉号: FN180715AS05
HEAT NO
表面处理: 洗光
Surface Treatment

尺寸检验 DIMENSIONAL INSPECTIONS

测试方法 (SAMPLE STANDARD): DIN912-1983

测试项目 (CHARACTERISTICS)	标准值 (SPECIFICATION)	实测值 (ACTUAL RESULT)	测试判定 (SAMPLE DETERMINANT)
圆头径 Head Diameter	12.73 <---> 13.27	12.86 <---> 12.88	合格 (Qualified)
头部厚度 Head Height	7.64 <---> 8	7.98 <---> 8	合格 (Qualified)
长度 Nominal Length	34.5 <---> 35.5	35.04 <---> 35.06	合格 (Qualified)
深度 Drive Depth	4min	4.46 <---> 4.48	合格 (Qualified)
内对边宽 Drive Width	6.02 <---> 6.14	6.12 <---> 6.14	合格 (Qualified)
螺纹最大径 Major Diameter	7.76 <---> 7.972	7.8 <---> 7.82	合格 (Qualified)
螺纹有效径 Pitch Diameter (GO/NOGO)	7.042 <---> 7.16	检验合格 (PASSED)	合格 (Qualified)

机械性能 MECHANICAL PROPERTIES

测试方法 (SAMPLE STANDARD): ISO3506-1:2009

测试项目 (CHARACTERISTICS)	标准值 (SPECIFICATION)	实测值 (ACTUAL RESULT)	测试判定 (SAMPLE DETERMINANT)
抗拉强度 (N/mm ²) Tensile Strength (N/mm ²)	700min	810 <---> 820	合格 (Qualified)
降伏强度 (N/mm ²) Yield Strength (N/mm ²)	450min	700 <---> 710	合格 (Qualified)
伸长量 (mm) Elongation after fracture (mm)	3.2min	4 <---> 5	合格 (Qualified)

化学成分 CHEMICAL COMPOSITION% (除标明范围外, 其余均为最大值, Maximum Value Or Range.)

测试判定

炉号 Heat Number	C	Si	Mn	P	S	Ni	Cr	(SAMPLE DETERMINANT)
标准值 Specification	0.08	1	2	0.045	0.03	8--10.5	18--20	
FN180715AS05	0.024	0.393	1.11	0.037	0.002	8.01	18.5	合格 (Qualified)

Jia Juan. Shen

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Authorization

Verification

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2020-04-09

Date

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客户名称: PURCHASER	订单号码: PO#NO	报告编号: Report Code
客户地址: ADDRESS	短项目号: 1271 ITEM NO	实发数量: SHIP QTY
项目号: D0934N34CCNP0800	标准: DIN934-1987	材质: A2(304)
CUST P/N	COMMODITY	MATERIAL TYPE
制造日期: 2019-03-06	品名: 外六角螺帽	批号: 212693230001
MFR. DATE	Product Name Hex Nuts	LOT NO
抽样日期: 2019-03-12	印记: A2-70 THE	炉号: N180924AV09
Sampling Date	MARKING	HEAT NO
检测日期: 2019-03-12	规格: M8-1.25	表面处理: 洗光
Test Date	SIZE	Surface Treatment
制造商: [REDACTED]	抽样计划: ANSI/ASMEB18.18.2M-1987	
MFR	Sample Plan spec	

尺寸检验 DIMENSIONAL INSPECTIONS

测试方法(SAMPLE STANDARD): DIN934-1987

测试项目 (CHARACTERISTICS)	标准值 (SPECIFICATION)	实测值 (ACTUAL RESULT)	测试判定 (SAMPLE DETERMINANT)
对边 Width Across Flats	12.73 <—> 13	12.8 <—> 12.84	合格(Qualified)
对角 Across Corner	14.38min	14.5 <—> 14.63	合格(Qualified)
厚度 Thickness	6.14 <—> 6.5	6.32 <—> 6.35	合格(Qualified)
孔径 Minor Diameter	6.647 <—> 6.912	6.84 <—> 6.86	合格(Qualified)
螺纹有效径 Pitch Diameter(GO/NOGO)	7.188 <—> 7.348	检验合格(PASSED)	合格(Qualified)

机械性能 MECHANICAL PROPERTIES

测试方法(SAMPLE STANDARD): ISO3506-2:2009

测试项目 (CHARACTERISTICS)	标准值 (SPECIFICATION)	实测值 (ACTUAL RESULT)	测试判定 (SAMPLE DETERMINANT)
安全负荷(N/mm ²) Proof Load(N/mm ²)	700min	检验合格(PASSED)	合格(Qualified)

化学成分 CHEMICAL COMPOSITION% (除标明范围外, 其余均为最大值. Maximum Value Or Range.)

炉号HeatNumber	C	Si	Mn	P	S	Ni	Cr	测试判定 (SAMPLE DETERMINANT)
标准值Specification	0.08	1	2	0.045	0.03	8—10.5	18—20	
N180924AV09	0.027	0.33	0.92	0.045	0.002	8.05	18.49	合格(Qualified)

Jia Juan. Shen

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