



Survey Report

No. SH595710/ CHEM

Date: 12.29.2005

Page 1 of 9

公司名称: 浙江科都电气制造有限公司

Company: ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.

地址: 浙江省乐清市虹桥镇蒲岐工业区

Address: PUQI INDUSTRIAL ZONE HONGQIAO YUEQING ZHEJIANG 325608 P.R. CHINA

样品名称:

Report on the submitted sample said to be: used for SOCKET SERIES (插座系列)(S551)

SGS 编号: : SHEC0051235678-5EC

SGS Ref. : SHEC0051235678-5EC

型号: : S220、S220E(1890101)、S220E-4、S220EC、S220EB、S220EC-2、S221、

Style No. S224E、S224E-6 (T23)、S224E-7、S224E-07-02 (T13)、S224EB、S224EC、S224EC-2、S224ED、S225E、S225EB、S226E、S226E-02、S227N(1890102)、S227N-2、S227N、S228、S229E、S229EB、S229EC、S230E、S230E-2、S230E-3、S230E-4、S230E-5、S230E-6、S230E-7、S230E-7-2、S230E-8、S230E-8-2、S251-1 (T25)、S331、S331-2(1923030)、S331-3 (1923032/31)、S331-4(1923035)、S331-5、S441、S551 (1951071)、S552-2、SD232 (1890056)、SD554 (1951150)、SD554-02 (1951151)、S324、S324-2、S324-3、S324-4、S324-5、S434、S434-2、S434-3、S552、S534、NK-04

: S220、S220E(1890101)、S220E-4、S220EC、S220EB、S220EC-2、S221、S224E、S224E-6 (T23)、S224E-7、S224E-07-02 (T13)、S224EB、S224EC、S224EC-2、S224ED、S225E、S225EB、S226E、S226E-02、S227N(1890102)、S227N-2、S227N、S228、S229E、S229EB、S229EC、S230E、S230E-2、S230E-3、S230E-4、S230E-5、S230E-6、S230E-7、S230E-7-2、S230E-8、S230E-8-2、S251-1 (T25)、S331、S331-2(1923030)、S331-3 (1923032/31)、S331-4(1923035)、S331-5、S441、S551 (1951071)、S552-2、SD232 (1890056)、SD554 (1951150)、SD554-02 (1951151)、S324、S324-2、S324-3、S324-4、S324-5、S434、S434-2、S434-3、S552、S534、NK-04

收样日期: : 2005-12-08

Sample Received : December 08, 2005

审核日期: : 2005-12-08 to 2005-12-12

Survey Period : December 08 to December 12, 2005

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or attached. Said Conditions are also available upon request. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 90 days only. This Test Report shall not be reproduced except in full, without written approval of the Company.

SGS-CTC Standards Technical Services Co., Ltd.
Shanghai Branch Technical Laboratory

107F, 3rd Building, No.889, Yishan Road, Shanghai, China 200233
中国·上海·宜山路889号3号楼107层 邮编200233

t (86-21)61402666 * 2720
t (86-21)61402553

f (86-21)54501814
f (86-21)54501814

www.cn.sgs.com
e sgshina@sgs.com

SHCHEM 481496



Survey Report

No. SH595710/ CHEM

Date: 12.29.2005

Page 2 of 9

审核要求:

根据客户要求将部品测试报告加以合并

Test Requested

To combine the test reports for the submitted sample

测试报告:

报告号:

报告出具日期:

Test Report

Report No.

Issue date

SGS SH546400/CHEM

07/15/2005

SGS SH546401/CHEM

07/15/2005

SGS SH546404/CHEM

07/15/2005

SGS SH553272/CHEM

08/08/2005

SGS SH546405/CHEM

07/15/2005

SGS SH546408/CHEM

07/15/2005

SGS SH546413/CHEM

07/15/2005

SGS SH546411/CHEM

07/15/2005

结论:

根据客户提供的报告,针对提供的样品,我们对有关部品数据总结如下

Conclusion

Based on the reports submitted by clients, we outline the test data as following

Signed for and on behalf of
SGS-CSTC Chemical Laboratory


Ella Zhang
Supervisor

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or attached. Said Conditions are also available upon request or are accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 90 days only. This Test Report shall not be reproduced except in full, without written approval of the Company.

Survey Report

No. SH595710/ CHEM

Date: 12.29.2005

Page 3 of 9

Survey Part

部品 No.1	十字槽盘头螺钉 M4*8 (螺钉 M3.5×9)
Part name No.1	SCREW M4*8 (SCREW M3.5×9)
型号:	HY44
Model:	HY44
生产商:	浙江科都电气制造有限公司
Vendor:	ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.
报告号:	SGS SH546400/CHEM
Report number	SGS SH546400/CHEM
部品 No.2	十字槽盘头螺钉 M4*8 (十字盘头自攻螺钉 ST3.5×16)
Part name No.2	SCREW M4*8 (SCREW ST3.5×16)
型号:	HY44
Model:	HY44
生产商:	浙江科都电气制造有限公司
Vendor:	ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.
报告号:	SGS SH546400/CHEM
Report number	SGS SH546400/CHEM
部品 No.3	大压簧(大卡圈)
Part name No.3	BIG SPRING (BIG BLOCK RING)
型号:	HY44
Model:	HY44
生产商:	浙江科都电气制造有限公司
Vendor:	ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.
报告号:	SGS SH546401/CHEM
Report number	SGS SH546401/CHEM
部品 No.4	大压簧(扭簧)
Part name No.4	BIG SPRING (SPRING)
型号:	HY44
Model:	HY44
生产商:	浙江科都电气制造有限公司
Vendor:	ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.
报告号:	SGS SH546401/CHEM
Report number	SGS SH546401/CHEM
部品 No.5	大压簧(小卡圈)
Part name No.5	BIG SPRING (SMALL BLOCK RING)
型号:	HY44
Model:	HY44
生产商:	浙江科都电气制造有限公司
Vendor:	ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.
报告号:	SGS SH546401/CHEM
Report number	SGS SH546401/CHEM
部品 No.6	动触架(接线柱(二))

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or attached. Said Conditions are also available upon request or are accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 90 days only. This Test Report shall not be reproduced except in full, without written approval of the Company.

Survey Report

No. SH595710/ CHEM

Date: 12.29.2005

Page 4 of 9

Part name No.6	LEVER HOLDER (CONNECTION PILLAR (2))
型号:	HY44
Model:	HY44
生产商:	浙江科都电气制造有限公司
Vendor:	ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.
报告号:	SGS SH546404/CHEM
Report number	SGS SH546404/CHEM
部品 No.7	动触架(接线柱(三))
Part name No.7	LEVER HOLDER (CONNECTION PILLAR (3))
型号:	HY44
Model:	HY44
生产商:	浙江科都电气制造有限公司
Vendor:	ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.
报告号:	SGS SH546404/CHEM
Report number	SGS SH546404/CHEM
部品 No.8	动触架(接线柱(一))
Part name No.8	LEVER HOLDER (CONNECTION PILLAR (1))
型号:	HY44
Model:	HY44
生产商:	浙江科都电气制造有限公司
Vendor:	ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.
报告号:	SGS SH546404/CHEM
Report number	SGS SH546404/CHEM
部品 No.9	插头柄(盖)
Part name No.9	PLUG HANDLE (COVER)
型号:	P551
Model:	P551
生产商:	浙江科都电气制造有限公司
Vendor:	ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.
报告号:	SGS SH553272/CHEM
Report number	SGS SH553272/CHEM
部品 No.10	插头柄
Part name No.10	PLUG HANDLE
型号:	P551
Model:	P551
生产商:	浙江科都电气制造有限公司
Vendor:	ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.
报告号:	SGS SH553272/CHEM
Report number	SGS SH553272/CHEM
部品 No.11	插头柄(插座壳)
Part name No.11	PLUG HANDLE (PLUG ENCLOSURE)
型号:	P551
Model:	P551
生产商:	浙江科都电气制造有限公司

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or attached. Said Conditions are also available upon request or are accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 90 days only. This Test Report shall not be reproduced except in full, without written approval of the Company.

Survey Report

No. SH595710/ CHEM

Date: 12.29.2005

Page 5 of 9

Vendor:	ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.
报告号:	SGS SH553272/CHEM
Report number	SGS SH553272/CHEM
部品 No.12	活动板(插头壳压板)
Part name No.12	ACTUATOR (PRESS BOARD OF PLUG ENCLOSURE)
型号:	HY44
Model:	HY44
生产商:	浙江科都电气制造有限公司
Vendor:	ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.
报告号:	SGS SH546405/CHEM
Report number	SGS SH546405/CHEM
部品 No.13	连杆(卡块)
Part name No.13	CONNECTOR (BLOCK)
型号:	HY44
Model:	HY44
生产商:	浙江科都电气制造有限公司
Vendor:	ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.
报告号:	SGS SH546408/CHEM
Report number	SGS SH546408/CHEM
部品 No.14	连杆(螺母)
Part name No.14	CONNECTOR (SCREW NUT)
型号:	HY44
Model:	HY44
生产商:	浙江科都电气制造有限公司
Vendor:	ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.
报告号:	SGS SH546408/CHEM
Report number	SGS SH546408/CHEM
部品 No.15	连杆(插头柄压板)
Part name No.15	CONNECTOR (PRESS BOARD OF PLUG HANDLE)
型号:	HY44
Model:	HY44
生产商:	浙江科都电气制造有限公司
Vendor:	ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.
报告号:	SGS SH546408/CHEM
Report number	SGS SH546408/CHEM
部品 No.16	连杆(压线夹(二))
Part name No.16	CONNECTOR (CONNECTION JIG(2))
型号:	HY44
Model:	HY44
生产商:	浙江科都电气制造有限公司
Vendor:	ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.
报告号:	SGS SH546408/CHEM
Report number	SGS SH546408/CHEM
部品 No.17	连杆(压线夹(三))

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or attached. Said Conditions are also available upon request or are accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 90 days only. This Test Report shall not be reproduced except in full, without written approval of the Company.

Survey Report

No. SH595710/ CHEM

Date: 12.29.2005

Page 6 of 9

Part name No.17 CONNECTOR (CONNECTION JIG(3))

型号: HY44

Model: HY44

生产商: 浙江科都电气制造有限公司

Vendor: ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.

报告号: SGS SH546408/CHEM

Report number SGS SH546408/CHEM

部品 No.18 连杆(压线夹(一))

Part name No.18 CONNECTOR (CONNECTION JIG(1))

型号: HY44

Model: HY44

生产商: 浙江科都电气制造有限公司

Vendor: ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.

报告号: SGS SH546408/CHEM

Report number SGS SH546408/CHEM

部品 No.19 轴(一)(铆钉 $\Phi 4 \times 31.2$)

Part name No.19 AXIS(1) (RIVET $\Phi 4 \times 31.2$)

型号: HY44B

Model: HY44B

生产商: 浙江科都电气制造有限公司

Vendor: ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.

报告号: SGS SH546413/CHEM

Report number SGS SH546413/CHEM

部品 No.20 密封垫(密封圈 $\Phi 2$)

Part name No.20 GASKET (SEAL RING $\Phi 2$)

型号: HY44

Model: HY44

生产商: 浙江科都电气制造有限公司

Vendor: ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.

报告号: SGS SH546411/CHEM

Report number SGS SH546411/CHEM

部品 No.21 密封垫(密封套)

Part name No.21 GASKET (SEAL HOUSING)

型号: HY44

Model: HY44

生产商: 浙江科都电气制造有限公司

Vendor: ZHEJIANG KEDU ELECTRIC MANUFACTURING CO., LTD.

报告号: SGS SH546411/CHEM

Report number SGS SH546411/CHEM

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or attached. Said Conditions are also available upon request or are accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 90 days only. This Test Report shall not be reproduced except in full, without written approval of the Company.

Survey Report

数据总结

Test Data Summary

No. SH595710/ CHEM

Date: 12.29.2005

Page 7 of 9

Test items		Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium Cr(VI)	PBBs	PBDEs
Unit		ppm	ppm	ppm	ppm	ppm	ppm
Detection limit (MDL) in SGS		2	2	2	2	5	5
Part No.1	十字槽盘头螺钉 M4*8 (螺钉 M3.5×9) SCREW M4*8 (SCREW M3.5×9)	<5	<5	N.D.	N.D.	N.C.	N.C.
Part No.2	十字槽盘头螺钉 M4*8 (十字盘头自攻螺钉 ST3.5×16) SCREW M4*8 (SCREW ST3.5 × 16)	<5	<5	N.D.	N.D.	N.C.	N.C.
Part No.3	大压簧(大卡圈) BIG SPRING (BIG BLOCK RING)	<5	<5	N.D.	N.D.	N.C.	N.C.
Part No.4	大压簧(扭簧) BIG SPRING (SPRING)	<5	<5	N.D.	N.D.	N.C.	N.C.
Part No.5	大压簧(小卡圈) BIG SPRING (SMALL BLOCK RING)	<5	<5	N.D.	N.D.	N.C.	N.C.
Part No.6	动触架(接线柱(二)) LEVER HOLDER (CONNECTION PILLAR (2))	52	<5	N.D.	N.D.	N.C.	N.C.
Part No.7	动触架(接线柱(三)) LEVER HOLDER (CONNECTION PILLAR (3))	52	<5	N.D.	N.D.	N.C.	N.C.
Part No.8	动触架(接线柱(一)) LEVER HOLDER (CONNECTION PILLAR (1))	52	<5	N.D.	N.D.	N.C.	N.C.
Part No.9	插头柄(盖) PLUG HANDLE (COVER)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Part No.10	插头柄 PLUG HANDLE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Part No.11	插头柄(插座壳) PLUG HANDLE (PLUG ENCLOSURE)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or attached. Said Conditions are also available upon request or are accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 90 days only. This Test Report shall not be reproduced except in full, without written approval of the Company.

Survey Report

No. SH595710/ CHEM

Date: 12.29.2005

Page 8 of 9

Part No.12	活动板(插头壳压板) ACTUATOR (PRESS BOARD OF PLUG ENCLOSURE)	32	11	N.D.	N.D.	N.D.	156
Part No.13	连杆(卡块) CONNECTOR (BLOCK)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Part No.14	连杆(螺母) CONNECTOR (SCREW NUT)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Part No.15	连杆(插头柄压板) CONNECTOR (PRESS BOARD OF PLUG HANDLE)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Part No.16	连杆(压线夹(二)) CONNECTOR (CONNECTION JIG(2))	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Part No.17	连杆(压线夹(三)) CONNECTOR (CONNECTION JIG(3))	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Part No.18	连杆(压线夹(一)) CONNECTOR (CONNECTION JIG(1))	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Part No.19	轴(一)(铆钉 $\Phi 4 \times 31.2$) AXIS(1) (RIVET $\Phi 4 \times 31.2$)	90	<5	N.D.	N.D.	N.C.	N.C.
Part No.20	密封垫(密封圈 $\Phi 2$) GASKET (SEAL RING $\Phi 2$)	17	N.D.	N.D.	N.D.	N.D.	N.D.
Part No.21	密封垫(密封套) GASKET (SEAL HOUSING)	17	N.D.	N.D.	N.D.	N.D.	N.D.

NOTE: (1) N.D. = Not detected (<MDL)
(2) N.C. = Not conducted
(3) ppm = mg/kg

Disclaim :

- (1) The detection limit of other labs may be different from that of SGS
- (2) SGS take no responsibility for any mistakes caused by inaccurate and/or invalid information submitted by the applicant.

*** End of Report ***

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or attached. Said Conditions are also available upon request or are accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 90 days only. This Test Report shall not be reproduced except in full, without written approval of the Company.

Survey Report

No. SH595710/ CHEM

Date: 12.29.2005

Page 9 of 9

Sample photo



This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or attached. Said Conditions are also available upon request or are accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 90 days only. This Test Report shall not be reproduced except in full, without written approval of the Company.

SHCHEM 481488