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Anbotek Compliance Laboratory Limited

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检测报告

TEST REPORT

产品名称:	除硫仪
产品型号:	SWT12-04
制造厂商:	北京斯威福特新电子技术有限公司
委托单位:	深圳市安博技术服务有限公司
检验项目:	安全、性能测试
完成时间:	2012 年 7 月 04 日

编写: 沈敦响

审核: 田江

批准: 李集



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检验报告

产品描述

产品名称.....: 除硫仪
 产品型号.....: SWT12-04
 系列号.....: SWT12-04
 额定值.....: 220V~, 50Hz, 0.5A, 110W

申请商

名字.....: 北京斯威福特新电子技术有限公司
 地址.....: 北京市朝阳区安贞西里四区 23 楼 6E

制造商

名字.....: 北京斯威福特新电子技术有限公司
 地址.....: 北京市朝阳区安贞西里四区 23 楼 6E

检测概况

检测依据.....: 委托方技术要求 (Q/ESC001-2011)
 引用标准.....: GB/T 762-2002, GB/T 3873, GB 4943-2001, YD/T 2064-2009

检测项目	要求	试验方法
输出电气参数.....:	4.2	5.2
工作电压范围.....:	4.3	5.3
杂音电压.....:	4.4	5.4
外形.....:	4.7.1	5.7.1
机构及外观 丝印.....:	4.7.2	5.7.2
器件安装.....:	4.7.3	5.7.3
过压保护.....:	4.8.1	5.8.1
防反接保护.....:	4.8.2	5.8.2
短路保护.....:	4.8.3	5.8.3
绝缘电阻.....:	4.9.1	5.9.1
抗电强度.....:	4.9.2	5.9.2

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1. 输出电气参数

1. 测试方法: 按如图 1 除硫仪输出电气参数检测示意图接好实验电路, 进行测试。



图 1

2. 测试结果: 输出波形如图 2 所示



图 2

测试项目	测试值	要求	结果
脉冲频率(Hz)	78.13/4	1~80	合格
脉冲前沿(ns)	4.1	<20	合格
脉冲宽度(μs)	12.8/4	≤20	合格
脉冲幅度(mV)	665.28	>400	合格

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2. 工作电压范围

1. 按图 1 所示接好试验电路;
2. 按 4.3 的要求调节交流输入电压, 检查除硫仪应正常工作。

测试项目	测试值	要求	结果
工作电压范围(V)	175~260	187~253	合格
说明: 在 AC 187~253V 电压范围内, 产品正常工作。			

3. 杂音电压

1. 按图 1 所示接好试验电路, 用数字万用表交流测试档测试杂音电压;
2. 除硫仪在蓄电池组浮充状态下, 测量结果应符合 4.4 的要求。

测试项目	测试值	要求	结果
杂音电压(mV)	57	<100	合格

4. 结构及外观

测试项目	要求	结果
机箱外形	机箱机构外形应平整, 镀层牢固, 无划痕、锈蚀、明显变形等不良现象。所有标签应清晰可辨、粘贴牢固。	合格
丝印	丝印内容清晰、正确, 无拖墨、漏印、错印等不良现象。	合格
器件安装	机箱内/外安装的器件或部件(如变压器、电路板、指示灯、输入/输出插座和保险丝座等)应安装位置正确, 固定牢靠, 无歪斜、松动等不良现象。	合格
说明: 通过目视可判断其合格性。		

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5. 过压保护

1. 测试方法: 启动除硫仪, 调节输入电压至标称值的 1.5 倍, 60S 后断开, 观察除硫仪是否损坏。
2. 测试结果:

测试项目	测试电压(V)	持续时间(S)	结果
过压保护	330	60	合格

说明: 经标称值 1.5 倍电压试验, 除硫仪并无损坏。

6. 防反接保护

1. 测试方法: 反接除硫仪输入的极性, 启动除硫仪, 观察除硫仪是否损坏, 试验结果应符合 4.8.2 的要求。
2. 试验结果: 反接除硫仪输入的极性, 启动除硫仪, 除硫仪并无损坏。

7. 短路保护

1. 测试方法: 除硫仪空载, 使输入短路, 实验结果应符合 4.8.3 的要求。
2. 试验结果: 除硫仪输入短路时, 除硫仪无损坏且不影响其他设备的正常工作。

8. 绝缘电阻

1. 测试方法: 在常温条件下, 用绝缘电阻测试仪 500V 的测试电压, 对除硫仪输入对地进行测试, 测试结果应符合 4.9.1 的要求。
2. 测试结果:

测试项目	测试电压(V)	测试电阻值(MΩ)	结果
绝缘电阻	DC500V	>100	合格

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9. 抗电强度

1. 测试方法: 被测除硫仪应完成绝缘电阻试验并符合要求后, 用耐压测试仪进行抗电强度的试验, 对除硫仪输入对地施加 50Hz、有效值为 500V 的正弦交流电压或等效其峰值的 710V 直流电压 1min, 试验结果应符合 4.9.2 的要求
2. 测试结果:

测试项目	测试电压(V)	持续时间(min)	结果
抗电强度	DC500V	1	合格

说明: 试验过程中无击穿与飞弧现象。

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报告编号: AT1203704S-2

日期: 2012-07-04

第 6 页

照片



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