文件状态

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| --- | --- | --- | --- |
| 发放部门： |  | 文件受控状态： |  |
| 文件发布状态： |  | 文件生效日期： |  |
| 备注： |  | | |

编制

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| **部门** | **职位** | **签章** | **签章日期** |
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评审

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| **部门** | **职位** | **签章** | **签章日期** |
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| **部门** | **职位** | **签章** | **签章日期** |
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修订历史

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| --- | --- | --- | --- |
| **版本号** | **修订人** | **更改描述** | **更改日期** |
| V1.00 | 丁文举 | 初版 |  |
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# 测试信息汇总表

|  |  |
| --- | --- |
| 文件编号 | 08-06-05 |
| 整机名称 |  |
| 硬件版本号 |  |
| 固件版本号 |  |
| 测试产品型号 |  |
| 项目编号 |  |
| 固件工程师 |  |
| 硬件工程师 |  |
| 测试工程师 |  |
| 开始测试日期 |  |
| 结束测试日期 |  |
| 总测试时长/小时 |  |
| 缺陷个数 |  |
| 测试结论 | 通过/不通过 |

# 测试设备汇总表

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **设备名称** | **设备型号** | **设备编号** | **精度级别** | **校准日期** | **校准过期日期** |
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# 技术要求测试

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| --- | --- | --- | --- | --- |
| **测试项** | **合格范围** | **测试值** | **测试结果** | **备注** |
| **外观检验** |  |  | 通过/不通过 |  |
| **持续供气模式** |  |  |  |  |
| **按需供气模式** |  |  |  |  |
| **设备输入气体压力** |  |  |  |  |
| **设备输出气体压力（气道压力）** |  |  |  |  |
| **气体流量监测** |  |  |  |  |
| **混合气体中笑气浓度** |  |  |  |  |
| **混合气体中氧气浓度** |  |  |  |  |
| **快速供氧** |  |  |  |  |
| **混合气体最大限制压力** |  |  |  |  |
| **废气净化传递和收集装置** |  |  |  |  |
| **气体连接口** |  |  |  |  |
| **备用氧供应** |  |  |  |  |
| **泄露** |  |  |  |  |
| **混合气体开关键纯氧功能** |  |  |  |  |
| **内置电池** |  |  |  |  |

# 需求项测试

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **测试项** | **合格范围** | **测试值** | **测试结果** | **备注** |
| **整机功率测试** |  |  | 通过/不通过 |  |
| **整机启动时间测试** |  |  |  |  |
| **双屏扩展功能测试** |  |  |  |  |

# 故障报警测试

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **测试项** | **合格范围** | **测试值** | **测试结果** | **备注** |
| **氧浓度监测值小于30%** |  |  | 通过/不通过 |  |
| **氧气入口气压低于0.15MPa** |  |  |  |  |
| **笑气入口气压低于0.15MPa** |  |  |  |  |
| **氧气入口压力高于0.7MPa** |  |  |  |  |
| **笑气入口压力高于0.7MPa** |  |  |  |  |
| **氧气比例阀没有正常打开** |  |  |  |  |
| **笑气比例阀没有正常打开** |  |  |  |  |
| **氧气浓度实测值和设定值偏差超过30%** |  |  |  |  |
| **氧电池失效** |  |  |  |  |
| **开机自检失败** |  |  |  |  |
| **在断开市电的条件下，内置电池输出电压小于12.5±0.2V** |  |  |  |  |
| **在断开市电的条件下，内置电池输出电压小于10.5±0.2V** |  |  |  |  |
| **电池温度超过60℃** |  |  |  |  |
| **电池脱落** |  |  |  |  |
| **设备风扇卡转** |  |  |  |  |
| **设备输出气体压力（气道压力）高于0.9kPa** |  |  |  |  |
| **笑气吸入镇痛装置报警系统是否符合YY9706.108-2021的要求** |  |  |  |  |

# 风险测试

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **测试项** | **合格范围** | **测试值** | **测试结果** | **备注** |
| **网电源电压不稳** |  |  | 通过/不通过 |  |
| **网电源断电** |  |  |  |  |
| **主电源芯片意外损坏** |  |  |  |  |
| **电池的极性接错** |  |  |  |  |

# 安规测试

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| --- | --- | --- | --- | --- |
| **测试项** | **合格范围** | **测试值** | **测试结果** | **备注** |
| **漏电流测试** |  |  | 通过/不通过 |  |
| **耐压测试** |  |  |  |  |
| **接地电阻测试** |  |  |  |  |

# 环境测试

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **测试项** | **合格范围** | **测试值** | **测试结果** | **备注** |
| **额定低温测试** |  |  | 通过/不通过 |  |
| **额定高温测试** |  |  |  |  |
| **额定湿热测试** |  |  |  |  |
| **低温贮存测试** |  |  |  |  |
| **高温贮存测试** |  |  |  |  |
| **湿热贮存测试** |  |  |  |  |

# 寿命测试

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **测试项** | **合格范围** | **测试值** | **测试结果** | **备注** |
| **高低温湿热试验箱加速老化** |  |  | 通过/不通过 |  |

# 可靠性测试

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **测试项** | **合格范围** | **测试值** | **测试结果** | **备注** |
| **运输测试** |  |  | 通过/不通过 |  |
| **整机稳定性测试** |  |  |  |  |
| **跌落（带包装）** |  |  |  |  |

# 可用性测试

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **测试项** | **合格范围** | **测试值** | **测试结果** | **备注** |
| **触摸屏测试** |  |  | 通过/不通过 |  |
| **按需供气测试** |  |  |  |  |