中海油安全技术服务有限公司

CNOOC Safety & Technology Services Co., Ltd.

{{name}}消防设备设施

检验证书

证书编号XF-201901A-0121-000

****

本次检验日期 {{Data}}

公司地址: 天津市滨海新区塘沽滨海新村东区

Company Address: East Area Binhai New Village, Tanggu, Binhai New Area, Tianjin

电话Tel: 0086-22-25809848 邮编 P.C. 300452

传真Fax:0086-22-25809848 电邮E-mail: Sh\_aqgc@cnooc.com.cn

兹证明中海油安全技术服务有限公司下列署名检验师，应\*\*\*（手填）的要求，于 {Data}} 及其后诸日在\*\*平台，根据：GA 95-2015灭火器维修，GB 8109-2005推车式灭火器，MSC.1-Circ.1432消防设备维护检查指南对其所属的消防设备进行了检测检验，已确定其技术状况。

This is to certify that the undersigned surveyor from CNOOC Safety & Technology Services Co., Ltd. at the request of \*\* on Jan. 21, 2019 and the subsequent days, did attend the inspection and survey to the fire-fighting system of \*\*, according to the following P. R. C. standards：GA 95-2015 Service for fire extinguishers , GB 8109-2005 Wheeled fire extinguishers，MSC.1-Circ.1432 Revised guidelines for the maintenance and inspection of fire protection systems and appliances.

**检验项目**

|  |  |  |  |
| --- | --- | --- | --- |
| **■灭火器Fire Extinguishers**  **■固定式灭火系统Fixed Fire Extinguishing System**  **■消防员装备和EEBD Marine Fireman's Outfit & EEBD**  **■船用钢瓶Marine Steel Bottles**  **■火灾自动报警系统Automatic Fire Alarm System** | | | **依据表格 as per form A**  **依据表格 as per form B**  **依据表格 as per form C**  **依据表格 as per form D**  **依据表格 as per form E** |
| **■B01：二氧化碳灭火系统CO2 Fire Extinguishing System**  **■B03：惰性气体灭火系统 Inert Gas Fire Extinguishing System**  **■B05：干粉灭火系统Powder Extinguishing Systems**  **■B07：厨房设备灭火装置Restaurant Fire Suppression Device**  **■B09：海水雨淋灭火系统Automatic Sprinkler System** | | **■B02：七氟丙烷灭火系统 FM200 Fire Fighting System**  **■B04：气溶胶灭火系统Aerosol Fire Extinguishing System**  **■B06：泡沫灭火系统 FOAM Fire Extinguishing System**  **■B08：消防水系统 Fire-fighting Water System** | |
| **备注**  **REMARKS** |  | | |
| **每个依据表格中描述的工作内容（包括修理或更换）已经由中海油安全技术服务有限公司证明有效**  **The Performed / Recommendation section on each of the attached Forms specifies**  **Whether repair and/or replacements have been effects or recommended by**  **CNOOC SAFETY & TECHNOLOGY SERVICES CO., LTD**  **依据表格中描述的服务类型与证书一致并由中海油安全技术服务有限公司签字认可和盖章，此证书方可有效**  **The Certificate Is Valid Only When The Forms Specifying Type of Service**  **Are Attached and Have Been Signed and Stamped By**  **CNOOC SAFETY & TECHNOLOGY SERVICES CO., LTD** | | | |

**■ 检验项目means inspected item**

**灭火器Fire Extinguishers**

**表格 Form A**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **类型Description of Type** | | | | | | | | | |
| **S=水Water** | | | | **P=泡沫灭火器Foam** | | | | | |
| **F=干粉Dry Chemical Powder** | | | | **T=二氧化碳Carbon Dioxide** | | | | | |
| **J=清洁气体Clean Agent** | | | |  | | | | | |
| **工作代号Description of Working Codes** | | | | | | | | | |
| **1=灭火器外观检查Extinguisher Inspected**  **3=重量检查Contents Checked By Weight**  **5=充装Extinguisher Recharged**  **7=检验日期标签Inspection Date Label Attached** | | | | | | **2=压力检查 Contents Checked by Pressure**  **4=维修Extinguisher repaired**  **6=水压试验Extinguisher Hydrostatic Tested**  **8=新灭火器New Extinguisher** | | | |
| **检验标签** | **型号** | **灭火剂**  **类型** | **生产厂家** | | **生产日期** | | **灭火级别** | **工作代号** | **检测判定** |
| **7312001** | **MFZ/ABC8** | **F** | **徐州淮海** | | **2017.10** | | **4A144B** | **1,2,7** | **合格** |
| **7312002** | **MFZ/ABC8** | **F** | **青岛楼山** | | **2018.06** | | **4A144B** | **1,2,7** | **合格** |
| **7312003** | **MFZ/ABC8** | **F** | **浙江金盾** | | **2014.05** | | **4A144B** | **1,2,7** | **合格** |
| **7312004** | **MFZ/ABC8** | **F** | **徐州淮海** | | **2017.10** | | **4A144B** | **1,2,7** | **合格** |
| **7312086** | **MT5** | **T** | **徐州淮海** | | **2011.04** | | **34B** | **1,3,7** | **合格** |
| **7312087** | **MT5** | **T** | **浙江金盾** | | **2016.05** | | **34B** | **1,3,7** | **合格** |
|  |  |  |  | |  | |  |  |  |
|  |  |  |  | |  | |  |  |  |
|  |  |  |  | |  | |  |  |  |
| **结束THE END** | | | | | | | | | |

**二氧化碳灭火系统CO2 Fire Extinguishing System**

**表格 Form B01**

|  |  |  |
| --- | --- | --- |
| **系统描述/技术参数Description of System / Technical Information：**  **药剂瓶数量Quantity×药剂瓶容积 Capacity of Cylinders： \*\*瓶×\*\*升， \*\*瓶×\*\*升**  **氮气瓶数量Quantity×氮气瓶容积 Capacity of Pilot Cylinders： \*瓶×\*升**  **覆盖保护区域Covering： 冷放空 、透平发电机、锅炉** | | |
| **检验和试验**  **Description of Inspection/Tests** | **□全部检验Complete Inspection**  **■局部检验Partial Inspection** | **备注**  **Remarks** |
| **□1.控制和释放系统外部检验以及阀门的紧固检查**  **Controls, release system external inspected and valve secured** | |  |
| **□2.气瓶称重检查**  **Weight checked for cylinders** | |  |
| **□3.气瓶压力检查**  **Pressure checked for cylinders** | |  |
| **□4.气瓶水压试验和充装**  **Cylinders hydrostatic tested and recharged** | |  |
| **□5.** **控制阀内部检查**  **Internal inspection of control valve** | |  |
| **□6.** **总管和分配阀操作试验**  **Main valve and distribution valves tested for proper operation** | |  |
| **□7. 管网和喷嘴吹扫试验**  **Distribution piping and nozzles tested for blowing through out** | |  |
| **□8. 软管检查**  **Hose inspection** | |  |
| **□9.** **系统功能测试**  **System function test** | |  |
| **□10. 启动释放管系与管道连接的密性测试**  **Check the connections of all pilot release piping and tubing for tightness** | |  |
| **□11. 瓶头阀至分配阀箱的管段液压试验**  **Pipeline hydrostatic test** | |  |

**■已执行Carried out □未执行或不适用Not carried out or not appliance`**

**二氧化碳灭火系统CO2 Fire Extinguishing System**

**表格 Form B02**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **介质类型Type of Agents** | | | **二氧化碳** | | | **检验温度Temperature** | | | **5℃** | | |
| **工作代号Description of Working Codes(Performed/Recommended):** | | | | | | | | | | | |
| **1=外观检查Inspected**  **3=液位检查Contents Checked by Level**  **5=压力检查Contents Checked by Pressure**  **7=水压试验Hydro Test** | | | | | | **2=重量检查Contents Checked by Weight**  **4=充装Recharged**  **6=维修 Repaired**  **8=检验日期标签Inspection Date Label Attached** | | | | | |
| **检验标签.** | **瓶号** | **瓶重/kg** | | **药剂量/kg** | **容积/L** | | **生产厂家** | **生产日期** | | **工作代号** | **检测判定** |
| **7313051** | **34145016** | **4.2** | | **68** | **120** | | **上海金盾** | **2013.11** | | **1,5,8** | **合格** |
| **7313052** | **34145025** | **4.2** | | **68** | **120** | | **上海金盾** | **2013.11** | | **1,5,8** | **合格** |
| **7313053** | **34145020** | **4.2** | | **68** | **120** | | **上海金盾** | **2013.11** | | **1,5,8** | **合格** |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
| **接下页 NEXT PAGE** | | | | | | | | | | | |

**二氧化碳灭火系统CO2 Fire Extinguishing System 表格 Form B03**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **介质类型Type of Agents** | | | **氮气 N2** | | **检验温度Temperature** | | **20℃** | | |
| **工作代号Description of Working Codes(Performed/Recommended):** | | | | | | | | | |
| **1=气瓶检查Cylinders Inspection**  **3=重量检查Contents Checked by Weight**  **5=水压试验Hydro Test**  **7=维修 Repaired** | | | | | **2=压力检查Contents Checked by Pressure**  **4=充装Recharged**  **6=检验日期标签Inspection Date Label Attached**  **8=新气瓶New Cylinder** | | | | |
| **检验标签** | **瓶号** | **压力/MPa** | | **容积/L** | **生产厂家** | **生产日期** | | **工作代号** | **检测判定** |
| **7313069** | **374120** | **6** | | **4** | **上海金盾** | **2013.08** | | **1,2,6** | **合格** |
| **7313070** | **246011** | **6** | | **4** | **上海金盾** | **2014.06** | | **1,2,6** | **合格** |
| **7313071** | **374176** | **6** | | **4** | **上海金盾** | **2013.08** | | **1,2,6** | **合格** |
| **7313072** | **446201** | **6** | | **4** | **上海金盾** | **2014.10** | | **1,2,6** | **合格** |
| **接下页 NEXT PAGE** | | | | | | | | | |

**FM200灭火系统 FM200 Fire Fighting System**

**表格 Form B02**

|  |  |  |
| --- | --- | --- |
| **系统描述/技术参数Description of System / Technical Information：**  **气瓶数量Quantity×储气瓶容积 Capacity of Cylinders： \*瓶×\*升 、\*瓶×\*升**  **气瓶数量Quantity×驱动气瓶容积 Capacity of Pilot Cylinders： \*瓶×\*升**  **覆盖保护区域Covering： 电池间、压缩机控制室、中控、应急开关间、主变压器间、应急机房、主开关间** | | |
| **检验和试验**  **Description of Inspection/Tests** | **□全部检验Complete Inspection**  **■局部检验Partial Inspection** | **备注**  **Remarks** |
| **□1.控制和释放系统外部检验以及阀门的紧固检查**  **Controls, release system external inspected and valve secured** | |  |
| **□2.气瓶称重检查**  **Weight checked for cylinders** | |  |
| **□3.气瓶压力检查**  **Pressure checked for cylinders** | |  |
| **□4.气瓶水压试验和充装**  **Cylinders hydrostatic tested and recharged** | |  |
| **□5.** **控制阀内部检查**  **Internal inspection of control valve** | |  |
| **□6.** **总管和分配阀操作试验**  **Main valve and distribution valves tested for proper operation** | |  |
| **□7. 管网和喷嘴吹扫试验**  **Distribution piping and nozzles tested for blowing through out** | |  |
| **□8. 软管检查**  **Hose inspection** | |  |
| **□9.** **系统功能测试**  **System function test** | |  |
| **□10. 启动释放管系与管道连接的密性测试**  **Check the connections of all pilot release piping and tubing for tightness** | |  |
| **□11. 瓶头阀至分配阀箱的管段液压试验**  **Pipeline hydrostatic test** | |  |

**■已执行Carried out □未执行或不适用Not carried out or not appliance**

**七氟丙烷灭火系统 FM200 Fire Fighting System**

**表格 Form B02**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **介质类型Type of Agents** | | | **七氟丙烷 FM200** | | | **检验温度Temperature** | | | **16℃** | | |
| **工作代号Description of Working Codes(Performed/Recommended):** | | | | | | | | | | | |
| **1=外观检查Inspected**  **3=液位检查Contents Checked by Level**  **5=压力检查Contents Checked by Pressure**  **7=水压试验Hydro Test** | | | | | | **2=重量检查Contents Checked by Weight**  **4=充装Recharged**  **6=维修 Repaired**  **8=检验日期标签Inspection Date Label Attached** | | | | | |
| **检验标签** | **瓶号** | **压力/MPa** | | **药剂重量/kg** | **容积/L** | | **生产厂家** | **生产日期** | | **工作代号** | **检测判定** |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
| **接下页 NEXT PAGE** | | | | | | | | | | | |

**七氟丙烷灭火系统 FM200 Fire Fighting System 表格 Form B02**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **介质类型Type of Agents** | | | **氮气 N2** | | **检验温度Temperature** | | **20℃** | | |
| **工作代号Description of Working Codes(Performed/Recommended):** | | | | | | | | | |
| **1=气瓶检查Cylinders Inspection**  **3=重量检查Contents Checked by Weight**  **5=水压试验Hydro Test**  **7=维修 Repaired** | | | | | **2=压力检查Contents Checked by Pressure**  **4=充装Recharged**  **6=检验日期标签Inspection Date Label Attached**  **8=新气瓶New Cylinder** | | | | |
| **检验标签** | **瓶号** | **压力/MPa** | | **容积/L** | **生产厂家** | **生产日期** | | **工作代号** | **检测判定** |
| **7313069** | **374120** | **6** | | **4** | **上海金盾** | **2013.08** | | **1,2,6** | **合格** |
| **7313070** | **246011** | **6** | | **4** | **上海金盾** | **2014.06** | | **1,2,6** | **合格** |
| **7313071** | **374176** | **6** | | **4** | **上海金盾** | **2013.08** | | **1,2,6** | **合格** |
| **7313072** | **446201** | **6** | | **4** | **上海金盾** | **2014.10** | | **1,2,6** | **合格** |
| **接下页 NEXT PAGE** | | | | | | | | | |

**干粉灭火系统Powder Extinguishing Systems**

**表格 Form B05**

|  |  |  |
| --- | --- | --- |
| **系统描述/技术参数Description of System / Technical Information：**  **干粉罐数量Quantity×干粉罐容积Capacity of Cylinders： \*\*瓶×\*\*升**  **气瓶数量Quantity×储气瓶容积 Capacity of Cylinders： \*\*瓶×\*\*升**  **气瓶数量Quantity×驱动气瓶容积 Capacity of Pilot Cylinders： \*\*瓶×\*\*升**  **覆盖保护区域Covering： 配电板间、艏消防泵舱、应急变压器间、中控、应急发电机间、通讯间、艏逻辑间、油漆间、锅炉间** | | |
| **检验和试验**  **Description of Inspection/Tests** | **□全部检验Complete Inspection**  **■局部检验Partial Inspection** | **备注**  **Remarks** |
| **□1.系统外观检查**  **System appearance inspection** | | **合格/Qualified** |
| **□2.阀门检查**  **Valve inspection** | |  |
| **□3.压力调节器有效性检查**  **Validity check of pressure regulator** | |  |
| **□4.干粉搅拌**  **Stir dry powder** | |  |
| **□5.管线吹扫**  **Pipeline blowing through out** | |  |
| **□6.** **控制阀和分区阀的本地和遥控操作试验**  **Local and remote operation tests of control valves and zone valves** | |  |
| **□7.推进气体钢瓶检查**  **Pushing Gas Cylinder Inspection** | |  |
| **□8.干粉含水量检查**  **Dry powder moisture content check** | |  |
| **□9. 干粉容器、安全阀和排放软管的压力试验**  **Pressure test of dry powder container, safety valve and discharge hose** | |  |
| **□10.干粉容器的水压试验或无损检测**  **Hydrostatic test or non-destructive test of dry powder tank** | |  |

**■已执行Carried out □未执行或不适用Not carried out or not appliance`**

**干粉灭火系统Powder Extinguishing Systems**

**表格 Form B05**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **介质类型Type of Agents** | | | **干粉** | | | **检验温度Temperature** | | | **5℃** | | |
| **工作代号Description of Working Codes(Performed/Recommended):** | | | | | | | | | | | |
| **1=外观检查Inspected**  **3=压力调节器有效性检查**  **5=干粉搅拌**  **7=管线吹扫**  **9=干粉容器、安全阀和排放软管的压力试验**  **11=检验日期标签Inspection Date Label Attached** | | | | | | **2=阀门检查**  **4=控制阀和分区阀的本地和遥控操作试验**  **6=推进气体钢瓶检查**  **8=干粉含水量检查**  **10=干粉容器的水压试验或无损检测** | | | | | |
| **检验标签.** | **型号** | **编号** | | **容积/L** | **灌装日期** | | **生产日期** | **生产厂家** | | **工作代号** | **检测判定** |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
|  |  |  | |  |  | |  |  | |  |  |
| **接下页 NEXT PAGE** | | | | | | | | | | | |

**七氟丙烷灭火系统 FM200 Fire Fighting System 表格 Form B02**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **介质类型Type of Agents** | | | **氮气 N2** | | **检验温度Temperature** | | **20℃** | | |
| **工作代号Description of Working Codes(Performed/Recommended):** | | | | | | | | | |
| **1=气瓶检查Cylinders Inspection**  **3=重量检查Contents Checked by Weight**  **5=水压试验Hydro Test**  **7=维修 Repaired** | | | | | **2=压力检查Contents Checked by Pressure**  **4=充装Recharged**  **6=检验日期标签Inspection Date Label Attached**  **8=新气瓶New Cylinder** | | | | |
| **检验标签** | **瓶号** | **压力/MPa** | | **容积/L** | **生产厂家** | **生产日期** | | **工作代号** | **检测判定** |
| **7313069** | **374120** | **6** | | **4** | **上海金盾** | **2013.08** | | **1,2,6** | **合格** |
| **7313070** | **246011** | **6** | | **4** | **上海金盾** | **2014.06** | | **1,2,6** | **合格** |
| **7313071** | **374176** | **6** | | **4** | **上海金盾** | **2013.08** | | **1,2,6** | **合格** |
| **7313072** | **446201** | **6** | | **4** | **上海金盾** | **2014.10** | | **1,2,6** | **合格** |
| **接下页 NEXT PAGE** | | | | | | | | | |

**泡沫灭火系统 FOAM Fire Extinguishing System**

**表格 Form B06**

|  |  |  |
| --- | --- | --- |
| **系统描述/技术参数Description of System / Technical Information：** | | |
| **泡沫液型号Foam Fluid Model： 3% AFFF**  **泡沫罐数量Quantity×容积Capacity of Cylinders： 1×1M3、1×8.0M3、2 ×8.5M3**  **消防泵数量Quantity of Fire Pump×功率power rating： /**  **泡沫炮数量Quantity of Foam Monitor： 11门**  **泡沫枪数量Quantity of Foam Nozzle： 74把**  **覆盖保护区域Covering： 各个撬块 、单点** | | |
| **检验和试验**  **Description of Inspection/Tests** | **□全部检验Complete Inspection**  **■局部检验Partial Inspection** | **备注**  **Remarks** |
| **□1.** **系统外观检查**  **Visual inspection** | |  |
| **□2.** **泡沫炮回转机构、俯仰机构动作试验**  **Foam monitor slewing & luffing mechanism action test** | |  |
| **□3.** **泡沫枪检查**  **Foam nozzle inspection** | |  |
| **□4. 管线阀门动作试验**  **Pipeline valve operation test** | |  |
| **□5. 喷射试验**  **Water spray test** | |  |
| **□6. 管道冲洗**  **Pipe flushing** | |  |
| **□7. 泡沫液检验**  **Foam inspection** | |  |
| **□8.泡沫比例调节器检测**  **Foam proportional regulator test** | |  |
| **□9.报警测试**  **Alarm test** | |  |

**■已执行Carried out □未执行或不适用Not carried out or not appliance**

**厨房设备灭火装置Restaurant Fire Suppression Device**

**表格 Form B07**

|  |  |  |
| --- | --- | --- |
| **系统描述/技术参数Description of System / Technical Information:** | | |
| **厨房设备灭火装置型号Type of Restaurant Fire Suppression Devices： ANSUL R-102**  **药剂瓶数量Quantity×容积 Capacity of Cylinders： 2\*11.6L**  **喷头数量Quantity of Detectors： 9**  **气瓶数量Quantity×驱动气瓶容积 Capacity of Pilot Cylinders： 1\*1.69L** | | |
| **检验和试验**  **Description of Inspection/Tests** | **□全部检验Complete Inspection**  **■局部检验Partial Inspection** | **备注**  **Remarks** |
| **□1.灭火剂检查**  **Fire extinguishing agent inspection** | |  |
| **□2.驱动气瓶检查**  **Check the drive cylinder** | |  |
| **□3.熔线、喷嘴和防污帽检查**  **Fusible Link, Nozzles and blow-off caps inspection** | |  |
| **□4.手动启动试验**  **Manual start test** | |  |
| **□5.自动启动试验**  **Automatic startup test** | |  |
| **□6.管网和喷嘴吹扫试验**  **Distribution piping and nozzles tested for blowing through out** | |  |
| **□7.储罐水压试验**  **Water pressure test of storage tank** | |  |
| **□8.调节器流量测试**  **Regulator flow test** | |  |

**■已执行Carried out □未执行或不适用Not carried out or not appliance**

**厨房设备灭火装置Restaurant Fire Suppression Device**

**表格 Form B07**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **介质类型Type of Agents** | | | **湿粉Wet Chemical** | | **检验温度Temperature** | | | **25℃** | |
| **工作代号Description of Working Codes(Performed/Recommended):** | | | | | | | | | |
| **1=气瓶检查Cylinders Inspection**  **3=重量检查Contents Checked by Weight**  **5=水压试验Hydro Test**  **7=维修 Repaired** | | | | | **2=压力检查Contents Checked by Pressure**  **4=充装Recharged**  **6=检验日期标签Inspection Date Label Attached**  **8=新瓶New Cylinder** | | | | |
| **检验标签** | **瓶号** | **容积/L** | | **生产厂家** | **生产日期** | **灌装日期** | **工作代号** | | **检测判定** |
|  |  |  | |  |  |  |  | |  |
|  |  |  | |  |  |  |  | |  |
| **结束THE END** | | | | | | | | | |

**厨房设备灭火装置Restaurant Fire Suppression Device 表格 Form B07**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **介质类型Type of Agents** | | | **氮气 N2** | | **检验温度Temperature** | | **20℃** | | |
| **工作代号Description of Working Codes(Performed/Recommended):** | | | | | | | | | |
| **1=气瓶检查Cylinders Inspection**  **3=重量检查Contents Checked by Weight**  **5=水压试验Hydro Test**  **7=维修 Repaired** | | | | | **2=压力检查Contents Checked by Pressure**  **4=充装Recharged**  **6=检验日期标签Inspection Date Label Attached**  **8=新气瓶New Cylinder** | | | | |
| **检验标签** | **瓶号** | **压力/MPa** | | **容积/L** | **生产厂家** | **生产日期** | | **工作代号** | **检测判定** |
| **7313069** | **374120** | **6** | | **4** | **上海金盾** | **2013.08** | | **1,2,6** | **合格** |
| **7313070** | **246011** | **6** | | **4** | **上海金盾** | **2014.06** | | **1,2,6** | **合格** |
| **7313071** | **374176** | **6** | | **4** | **上海金盾** | **2013.08** | | **1,2,6** | **合格** |
| **7313072** | **446201** | **6** | | **4** | **上海金盾** | **2014.10** | | **1,2,6** | **合格** |
| **接下页 NEXT PAGE** | | | | | | | | | |

**消防水系统 Fire-fighting Water System**

**表格 Form B08**

|  |  |  |
| --- | --- | --- |
| **系统描述/技术参数Description of System / Technical Information：** | | |
| **消防泵数量Quantity of Fire Pump×功率power rating： 2台**  **消火栓数量Quantity of hydrants 15套**  **消防水软管站数量Quantity of Fire Hydrant and Hose： 15套**  **国际通岸接头数量Quantity of international shore connections 手填**  **覆盖保护区域Covering： 生产区** | | |
| **检验和试验**  **Description of Inspection/Tests** | **□全部检验Complete Inspection**  **■局部检验Partial Inspection** | **备注**  **Remarks** |
| **□1.** **系统外观检查**  **Visual inspection** | |  |
| **□2.** **消防带检查**  **Fire hose inspection** | |  |
| **□3.** **水枪检查**  **Water nozzle inspection** | |  |
| **☑4. 管线阀门动作试验**  **Pipeline valve operation test** | |  |
| **□5. 喷射试验**  **Water spray test** | |  |
| **□6. 管道冲洗**  **Pipe flushing** | |  |
| **□7.末端压力测试**  **End pressure test** | |  |

**■已执行Carried out □未执行或不适用Not carried out or not appliance**

**消防水系统 Fire-fighting Water System**

**表格 Form B08**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **工作代号Description of Working Codes(Performed/Recommended):** | | | | | | |
| **1=消防带和喷枪检查Fire Hose and Nozzle Inspected**  **3=维修Repaired**  **5=新消防带和喷枪New Fire Hose and Nozzle** | | | **2=功能试验Function Tested**  **4=检验日期标签Inspection Date Label Attached** | | | |
| **编号/位置** | **类型** | **生产厂家** | | **规格型号** | **工作代号** | **检测判定** |
|  |  |  | |  |  |  |
|  |  |  | |  |  |  |
|  |  |  | |  |  |  |
|  |  |  | |  |  |  |
|  |  |  | |  |  |  |
|  |  |  | |  |  |  |
|  |  |  | |  |  |  |
|  |  |  | |  |  |  |
|  |  |  | |  |  |  |
|  |  |  | |  |  |  |
|  |  |  | |  |  |  |
| **接下页 NEXT PAGE** | | | | | | |

**海水雨淋灭火系统Water Mist And Automatic Sprinkler System**

**表格 Form B09**

|  |  |  |
| --- | --- | --- |
| **系统描述/技术参数Description of System / Technical Information：** | | |
| **雨淋阀数量Number of Spray Valves： 10个**  **覆盖保护区域Covering： 各个撬块 、单点** | | |
| **检验和试验**  **Description of Inspection/Tests** | **□全部检验Complete Inspection**  **■局部检验Partial Inspection** | **备注**  **Remarks** |
| **□1.** **系统外观检查**  **Visual inspection** | |  |
| **□2.** **喷头检查**  **Nozzle inspection** | |  |
| **□3. 管线阀门动作试验**  **Pipeline valve operation test** | |  |
| **□4.雨淋阀动作试验**  **Operation test of spray valve** | |  |
| **□5. 喷射试验**  **Water spray test** | |  |
| **□6.报警测试**  **Alarm test** | |  |
| **□7.管路吹通试验**  **Pipe blow-through test** | |  |
| **□8.阀门内部检查**  **Internal inspection of valve** | |  |

**■已执行Carried out ☑未执行或不适用Not carried out or not appliance**

**消防员装备和EEBD Marine Fireman's Outfit & EEBD**

**表格 Form C**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **工作代号Description of Working Codes(Performed/Recommended):** | | | | | | | |
| **1=面罩检查Face mask checked**  **3=调节装置检查Regulator unit checked**  **5=功能试验Function tested**  **7=气瓶充气Cylinder recharged**  **9=检验日期标签Inspection Date Label Attached** | | | | **2=呼吸阀检查Breathing calve checked**  **4=背带检查Strap checked**  **6=气瓶检查Cylinder checked**  **8=气瓶水压试验Cylinder hydrostatic tested**  **10=新气瓶New cylinder** | | | |
| **检验标签** | **瓶号** | **压力/MPa** | **容积/L** | **生产厂家** | **生产日期** | **工作代号** | **检测判定** |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| **下一页 NEXT PAGE** | | | | | | | |

**感烟探测器Smoke detectors**

**表格 Form E-S-1**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **本次测试所依据的技术文件（代号、名称）Reference Documents For The Test(Code/Name)：**  **GB 4715-2005《点型感烟火灾探测器》（默认）** | | | | | | |
| **检测环境条件及地点Environmental Conditions In The Test** | | | | | | |
| **环境温度：（18～26）℃**  **Temperature** | | **地点：\*\*平台**  **Location** | | | | |
| **相对湿度：（55～70）%**  **Relative Humidity** | | **其它：**  **Others** | | | | |
| **本次测试所使用的主要器具：Main Standards Of Measurement Used In The Test** | | | | | | |
| **名 称**  **Name** | **编 号**  **NO.** | **测量范围**  **Measuring range** | **不确定度或准确度等级或最大允许误差**  **Uncertainty/accuracy class/maximum permissible error** | | **证书编号**  **Certificate NO.** | **有效期至**  **Valid date to** |
| **奥博斯火灾探测试验器** | **ABS-Q01** | **/** | **/** | | **/** | **/** |
| **其它说明Remarks： /** | | | | | | |
| **测试数据/结果Data/Results Of Test** | | | | | | |
| 1. **外观：正常；** 2. **响应时间≤30s；** 3. **测试结果见下页：** | | | |  | | |

**感烟探测器Smoke detectors**

**表格 Form E-S-2**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **仪器名称** | **制造厂** | **型号** | **编号** | **报警功能** | **响应时间/s** | **备注** |
| **1** |  |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |  |
| **5** |  |  |  |  |  |  |  |
| **6** |  |  |  |  |  |  |  |
| **7** |  |  |  |  |  |  |  |
| **8** |  |  |  |  |  |  |  |
| **9** |  |  |  |  |  |  |  |
| **10** |  |  |  |  |  |  |  |
| **11** |  |  |  |  |  |  |  |
| **12** |  |  |  |  |  |  |  |
| **13** |  |  |  |  |  |  |  |
| **14** |  |  |  |  |  |  |  |
| **15** |  |  |  |  |  |  |  |
| **接下页 NEXT PAGE** | | | | | | | |

**感温探测器Temperature detector**

**表格 Form E-T-1**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **本次测试所依据的技术文件（代号、名称）Reference Documents For The Test(Code/Name)：**  **GB 4716-2005《点型感温火灾探测器》** | | | | | | |
| **检测环境条件及地点Environmental Conditions In The Test** | | | | | | |
| **环境温度：（18～26）℃**  **Temperature** | | **地点：\*\*平台**  **Location** | | | | |
| **相对湿度：（55～70）%**  **Relative Humidity** | | **其它：**  **Others** | | | | |
| **本次测试所使用的主要器具：Main Standards Of Measurement Used In The Test** | | | | | | |
| **名 称**  **Name** | **编 号**  **NO.** | **测量范围**  **Measuring range** | **不确定度或准确度等级或最大允许误差**  **Uncertainty/accuracy class/maximum permissible error** | | **证书编号**  **Certificate NO.** | **有效期至**  **Valid date to** |
| **奥博斯火灾探测试验器** | **ABS-Q01** | **/** | **/** | | **/** | **/** |
| **其它说明Remarks： /** | | | | | | |
| **测试数据/结果Data/Results Of Test** | | | | | | |
| 1. **外观：正常；** 2. **响应时间≤30s；** 3. **测试结果见下页：** | | | |  | | |

**感温探测器Temperature detector**

**表格 Form E-T-2**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **仪器名称** | **制造厂** | **型号** | **编号** | **报警功能** | **响应时间/s** | **备注** |
| **1** | **温感探测器** | **Fenwal** | **12-E27121-020-03-OT** | **CEP-HD-20301** | **正常** | **4** |  |
| **2** | **温感探测器** | **Fenwal** | **12-E27121-020-03-OT** | **CEP-HD-20302** | **正常** | **4** |  |
| **3** | **温感探测器** | **Fenwal** | **12-E27121-020-03-OT** | **CEP-HD-20303** | **正常** | **5** |  |
| **4** | **温感探测器** | **Fenwal** | **12-E27121-020-03-OT** | **CEP-HD-20304** | **正常** | **5** |  |
| **5** | **温感探测器** | **Fenwal** | **12-E27121-020-03-OT** | **CEP-HD-20305** | **正常** | **4** |  |
| **6** | **温感探测器** | **Fenwal** | **12-E27121-020-03-OT** | **CEP-HD-20306** | **正常** | **4** |  |
| **7** | **温感探测器** | **Fenwal** | **12-E27121-020-03-OT** | **CEP-HD-20307** | **正常** | **5** |  |
| **8** | **温感探测器** | **Fenwal** | **12-E27121-020-03-OT** | **CEP-HD-20308** | **正常** | **6** |  |
| **9** | **温感探测器** | **Fenwal** | **12-E27121-020-03-OT** | **CEP-HD-20401** | **正常** | **5** |  |
| **10** | **温感探测器** | **Fenwal** | **12-E27121-020-03-OT** | **CEP-HD-20402** | **正常** | **4** |  |
| **11** | **温感探测器** | **Fenwal** | **12-E27121-020-03-OT** | **CEP-HD-20403** | **正常** | **5** |  |
| **12** | **温感探测器** | **Fenwal** | **12-E27121-020-03-OT** | **CEP-HD-20501** | **正常** | **6** |  |
| **13** | **温感探测器** | **Fenwal** | **12-E27121-020-03-OT** | **CEP-HD-20502** | **正常** | **5** |  |
| **14** | **温感探测器** | **Fenwal** | **12-E27121-020-03-OT** | **CEP-HD-20503** | **正常** | **5** |  |
| **15** | **温感探测器** | **Fenwal** | **12-E27121-020-03-OT** | **CEP-HD-20504** | **正常** | **4** |  |
| **接下页 NEXT PAGE** | | | | | | | |

**火焰探头Flame detector**

**表格 Form E-F-1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **本次测试所依据的技术文件（代号、名称）：Reference Documents For The Test(Code/Name)**  **GB 12791-2006 《点型紫外火焰探测器》** | | | | | |
| **检测环境条件及地点Environmental Conditions In The Test** | | | | | |
| **环境温度：（32～35）℃**  **Temperature** | | **地点：\*\*平台**  **Location** | | | |
| **相对湿度：（55～70）%**  **Relative Humidity** | | **其它：**  **Others** | | | |
| **本次测试所使用的主要器具：Main Standards Of Measurement Used In The Test** | | | | | |
| **名 称**  **Name** | **编 号**  **NO.** | **测量范围**  **Measuring range** | **不确定度或准确度等级或最大允许误差**  **Uncertainty/accuracy class/maximum permissible error** | **证书编号**  **Certificate NO.** | **有效期至**  **Valid date to** |
| **奥博斯火灾探测试验器** | **ABS-Q01** | **/** | **/** | **/** | **/** |
| **其它说明Remarks:** | | | | | |
| **测试数据/结果Data/Results Of Test** | | | | | |
| 1. **外观：正常；** 2. **响应时间≤30s；** 3. **测试结果见下页：** | | | | | |

**火焰探测器Flame detector**

**表格 Form E-F-2**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **仪器名称** | **制造厂** | **型号** | **编号** | **报警功能** | **响应时间/s** | **备注** |
| **1** |  |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |  |
| **5** |  |  |  |  |  |  |  |
| **6** |  |  |  |  |  |  |  |
| **7** |  |  |  |  |  |  |  |
| **8** |  |  |  |  |  |  |  |
| **9** |  |  |  |  |  |  |  |
| **10** |  |  |  |  |  |  |  |
| **11** |  |  |  |  |  |  |  |
| **12** |  |  |  |  |  |  |  |
| **13** |  |  |  |  |  |  |  |
| **14** |  |  |  |  |  |  |  |
| **15** |  |  |  |  |  |  |  |
| **接下页 NEXT PAGE** | | | | | | | |

**可燃气体探测器Gas detector**

**表格 Form E-G-1**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **本次测试所依据的技术文件（代号、名称）Reference Documents For The Test(Code/Name)：**  **JJG 693-2011《可燃气体检测报警器》** | | | | | | |
| **检测环境条件及地点Environmental Conditions In The Test** | | | | | | |
| **环境温度：（15～22）℃**  **Temperature** | | **地点：\*\*平台**  **Location** | | | | |
| **相对湿度：（60～70）%**  **Relative Humidity** | | **其它：**  **Others** | | | | |
| **本次测试所使用的主要器具：Main Standards Of Measurement Used In The Test** | | | | | | |
| **名 称**  **Name** | **编 号**  **NO.** | **测量范围**  **Measuring range** | **不确定度或准确度等级或最大允许误差**  **Uncertainty/accuracy class/maximum permissible error** | | **证书编号**  **Certificate NO.** | **有效期至**  **Valid date to** |
| **甲烷标准气体(50%LEL)**  **甲烷标准气体(20%LEL)**  **电子秒表** | **13210068**  **13209109**  **1342282** | **/**  **/**  **/** | **U=1%，k=3**  **U=1%，k=3**  **U=(0.011～0.024)s，k=2** | | **/**  **/**  **/** | **2019年03月24日**  **2019年03月24日**  **2019年03月24日** |
| **其它说明Remarks： /** | | | | | | |
| **测试数据/结果Data/Results Of Test** | | | | | | |
| 1. **外观：正常；** 2. **通电后仪器正常工作；** 3. **重复性≤1.3；** | | | | 1. **响应时间≤30s；** 2. **测试结果见下页：** | | |

**可燃气体探测器Gas detector**

**表格 Form E-G-2**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **制造厂** | **型号** | **编号** | **量程**  **%LEL** | **报警功能** | **报警值(高报）**  **%LEL** | **报警值(高高报）**  **%LEL** | **仪器**  **示值25%LEL** | **仪器**  **示值50%LEL** | **仪器**  **示值55%LEL** | **响应时间/s** |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **接下页 NEXT PAGE** | | | | | | | | | | |

**硫化氢探测器H2S detectors**

**表格 Form E-H2S-1**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **本次测试所依据的技术文件（代号、名称）Reference Documents For The Test(Code/Name)：**  **JJG 695-2003硫化氢气体检测仪检定规程** | | | | | | |
| **检测环境条件及地点Environmental Conditions In The Test** | | | | | | |
| **环境温度：（15～22）℃**  **Temperature** | | **地点：\*\*平台**  **Location** | | | | |
| **相对湿度：（60～70）%**  **Relative Humidity** | | **其它：**  **Others** | | | | |
| **本次测试所使用的主要器具：Main Standards Of Measurement Used In The Test** | | | | | | |
| **名 称**  **Name** | **编 号**  **NO.** | **测量范围**  **Measuring range** | **不确定度或准确度等级或最大允许误差**  **Uncertainty/accuracy class/maximum permissible error** | | **证书编号**  **Certificate NO.** | **有效期至**  **Valid date to** |
| **硫化氢标准气体(50ppm)**  **硫化氢标准气体(20ppm)**  **电子秒表** | **13210068**  **13209109**  **1342282** | **/**  **/**  **/** | **U=1%，k=3**  **U=1%，k=3**  **U=(0.011～0.024)s，k=2** | | **/**  **/**  **/** | **2019年03月24日**  **2019年03月24日**  **2019年03月24日** |
| **其它说明Remarks： /** | | | | | | |
| **测试数据/结果Data/Results Of Test** | | | | | | |
| 1. **外观：正常；** 2. **通电后仪器正常工作；** 3. **分别通入不同浓度标准气或一起显示误差应小于等于±3%** | | | | 1. **响应时间≤30s;** 2. **测试结果见下页：** | | |

**硫化氢探测器H2S detectors**

**表格 Form E-H2S-2**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **名称** | **制造厂** | **型号** | **编号** | **报警功能** | **实测**  **高报ppm** | **实测**  **高高报**  **ppm** | **仪器**  **示值20ppm** | **仪器**  **示值50ppm** | **响应时间/s** | **备注** |
| **1** |  |  |  |  |  |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |  |  |  |  |  |
| **5** |  |  |  |  |  |  |  |  |  |  |  |
| **6** |  |  |  |  |  |  |  |  |  |  |  |
| **7** |  |  |  |  |  |  |  |  |  |  |  |
| **8** |  |  |  |  |  |  |  |  |  |  |  |
| **9** |  |  |  |  |  |  |  |  |  |  |  |
| **10** |  |  |  |  |  |  |  |  |  |  |  |
| **接下页 NEXT PAGE** | | | | | | | | | | | |

**手动火灾报警按钮Manual Alarm Button**

**表格 Form E-M-1**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **本次测试所依据的技术文件（代号、名称）Reference Documents For The Test(Code/Name)：**  **GB 19880-2005《手动火灾报警按钮》** | | | | | | |
| **检测环境条件及地点Environmental Conditions In The Test** | | | | | | |
| **环境温度：（18～32）℃**  **Temperature** | | **地点：\*\*平台**  **Location** | | | | |
| **相对湿度：（60～70）%**  **Relative Humidity** | | **其它：**  **Others** | | | | |
| **本次测试所使用的主要器具：Main Standards Of Measurement Used In The Test** | | | | | | |
| **名 称**  **Name** | **编 号**  **NO.** | **测量范围**  **Measuring range** | **不确定度或准确度等级或最大允许误差**  **Uncertainty/accuracy class/maximum permissible error** | | **证书编号**  **Certificate NO.** | **有效期至**  **Valid date to** |
| **手报测试钥匙** | **/** | **/** | **/** | | **/** | **/** |
| **其它说明Remarks： /** | | | | | | |
| **测试数据/结果Data/Results Of Test** | | | | | | |
| 1. **外观：正常；** 2. **响应时间≤30s；** 3. **测试结果见下页：** | | | |  | | |

**手动火灾报警按钮Manual Alarm Button**

**表格 Form E-M-2**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **仪器名称** | **制造厂** | **型号** | **编号** | **报警功能** | **响应时间/s** | **备注** |
| **1** | **手动火灾报警按钮** | **MEDC** | **CP135** | **CEP-MFS-10101** | **正常** | **2** |  |
| **2** | **手动火灾报警按钮** | **MEDC** | **CP135** | **CEP-MFS-10102** | **正常** | **1** |  |
| **3** | **手动火灾报警按钮** | **MEDC** | **CP135** | **CEP-MFS-10103** | **正常** | **1** |  |
| **4** | **手动火灾报警按钮** | **MEDC** | **CP135** | **CEP-MFS-10104** | **正常** | **2** |  |
| **5** | **手动火灾报警按钮** | **MEDC** | **CP135** | **CEP-MFS-10105** | **正常** | **2** |  |
| **6** | **手动火灾报警按钮** | **MEDC** | **CP135** | **CEP-MFS-10106** | **正常** | **2** |  |
| **7** | **手动火灾报警按钮** | **MEDC** | **CP135** | **CEP-MFS-20101** | **正常** | **1** |  |
| **8** | **手动火灾报警按钮** | **MEDC** | **CP135** | **CEP-MFS-20102** | **正常** | **2** |  |
| **9** | **手动火灾报警按钮** | **MEDC** | **CP135** | **CEP-MFS-20103** | **正常** | **1** |  |
| **10** | **手动火灾报警按钮** | **MEDC** | **CP135** | **CEP-MFS-20104** | **正常** | **2** |  |
| **11** | **手动火灾报警按钮** | **MEDC** | **CP135** | **CEP-MFS-20201** | **正常** | **2** |  |
| **12** | **手动火灾报警按钮** | **MEDC** | **CP135** | **CEP-MFS-20202** | **正常** | **1** |  |
| **13** | **手动火灾报警按钮** | **MEDC** | **CP135** | **CEP-MFS-20203** | **正常** | **2** |  |
| **14** | **手动火灾报警按钮** | **MEDC** | **CP135** | **CEP-MFS-20204** | **正常** | **2** |  |
| **15** | **手动火灾报警按钮** | **MEDC** | **CP135** | **CEP-MFS-30101** | **正常** | **1** |  |
| **结束 THE END** | | | | | | | |