



# 中国船级社

## CHINA CLASSIFICATION SOCIETY

### 型式认可证书

### CERTIFICATE OF TYPE APPROVAL

证书编号/Certificate No. SH21P2004

兹证明本证书所述制造厂生产的下列产品能够满足下面列明认可标准的要求。

This is to certify that the following products produced by the manufacturer stated in the certificate can meet the requirements of the approval standards listed below.

#### 认可产品/Product Approved

防爆型信号扬声器

Explosion-Proof Electronic Siren

#### 委托方名称及地址/Client and address

上海可莱特电子有限公司

Shanghai Q-Light Electronics CO., Ltd.

上海市宝山区南大路 19 号 5 号楼 3-4 楼

3-4FB/D5, #19, Nanda Road Baoshan Area, Shanghai

#### 生产地址/Production address:

可莱特电子(启东)有限公司

QLIGHT ELECTRONICS(QIDONG)CO.,LTD.

江苏省南通市启东市启东高新技术开发区海燕路 33 号

No.33,HAIYAN ROAD,QIDONG HIGH-TECH INDUSTRIAL DEVELOPMENT ZONE,QIDONG CITY,NANTONG CITY,JIANGSU PROVINCE

#### 认可依据/Approval Standard

Q31/0113000168C001-2017 一般工业用的警示灯、信号扬声器、多层式信号灯、防爆警示灯

Q31/0113000168C001-2017 General industrial warning light, signal loudspeaker, multilayer signal lamp, explosion-proof warning lamp

GB 3836.1-2010 爆炸性环境 第 1 部分: 设备 通用要求

Explosive atmospheres—Part 1: Equipment—General requirements

#### 证书有效期至/This Certificate is valid until

2025 年 08 月 26 日/Aug.26, 2025

发证地点

Issued by

北京

Beijing

签发日期

Date

2021 年 08 月 27 日

Aug.27, 2021

在本证书的有效期内, 应经本机构年度复查方可保持有效。

This Certificate is valid subject to annual surveillance by the Society within the validity period.

年度复查确认签证 Confirmatory endorsement of annual surveillance		
日期 Date	日期 Date	日期 Date

本证书根据中国船级社质量认证公司有关程序规定签发。当本证书包括多页纸张时, 则所有证书页为一个整体, 必须同时使用。每一页证书均须由本机构盖章方为有效。证书复印件无效。  
This Certificate is issued pursuant to the related procedures of the Society. When the certificate consists of more than one page, all pages of the certificate are taken as a whole and are used simultaneously. No certificate page is valid without bearing the stamp of the Society and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. This approval certificate does not constitute the final confirmation of the Society about the quality of the actual product. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.  
中国船级社质量认证公司/CCSC headquarters: 北京东黄城根南街 40 号 邮编: 100006/ Donghuangchenggen Nan Jie Beijing 100006, P.R.CHINA  
电话/Tel: 86-10-56313400 传真/Fax: 86-10-56313500 网址/Web Site: http://www.ccs-c.com/

Rev.202108

Nº 00044398



## 产品明细/Product Description

产品型号 (Model)	尺寸 (Size)	额定电压 (Rated voltage)	防护等级 (Protection class)	防爆标志 (Ex-mark)
SPNA	327mm*173mm*127mm	DC12V	IP66	Ex d II C T6 Gb
		DC24V		
		AC120V		
		AC230V		

## 批准的图纸和设计计算书/ Approved Drawings and Design Calculations

NIL

## 认可试验项目和结果/Approval Scope of Testing and Result

编号 Number	试验项目 Approval Scope of Testing	试验结果 Approval Scope of Result
1	资料审核 Document review	合格 Qualified
2	外观 Appearance inspection	合格 Qualified
3	声音输出 Noise test	合格 Qualified
4	抗冲击试验 Resistance to impact	合格 Qualified
5	跌落试验 Drop test	合格 Qualified
6	外壳防护等级试验 Degree of protection(IP) by enclosures	合格 Qualified
7	温度测定 Temperature measurement	合格 Qualified
8	热剧变试验 Thermal shock test	合格 Qualified
9	小元件点燃试验 Small component ignition test	合格 Qualified
10	绝缘套管扭转试验 Torque test for bushings	合格 Qualified
11	非金属外壳和外壳的非金属部件 Non-metallic enclosures or non-metallic parts of enclosures	合格 Qualified
12	试验环境温度 Test temperatures	合格 Qualified
13	耐热试验 Thermal endurance to heat	合格 Qualified
14	耐寒试验 Thermal endurance	合格 Qualified
15	光老化试验 Resistance to UV light	合格 Qualified
16	耐化学试剂试验 Resistance to chemical agents	合格 Qualified
17	接地连续性 Earth continuity	合格 Qualified
18	非金属外壳材料部件的表面电阻试验 Surface resistance test of parts of enclosures of non-metallic materials	合格 Qualified
19	起电试验 Measurement of capacitance	合格 Qualified
20	电容测量 Verification of ratings of ventilating fans	合格 Qualified

注：1) 编号 1~3 的试验项目在企业现场见证；

2) 编号 4~20 的试验项目审核中国国家强制性产品认证证书（证书编号：2021322310004024，防爆标志：Ex d II C T6 Gb，发证单位：上海仪器仪表自控系统检验测试所有限公司，地址：上海市漕宝路 103 号）予以认可。

Note:

1) Witness: No. 1~3;

2) Report review: No. 4~20 are review the certificate for China compulsory product certification (Cert No.: 2021322310004024, Ex-mark: Ex d II C T6 Gb. Issuing unit: Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co., Ltd., Address: 103 Cao Bao Road Shanghai.).



**适用范围/Application of the Product**

适用于石油化学成套设备、游船、火药工厂、煤气设备等易燃易爆的危险场所。/ it is suitable for warning at places having the risk of inflammatory explosion like Petrochemical plants, crude oil carriers and chemical factories.

**认可保持条件/ Maintenance Requirements of Approval**

1. 型式认可后, 如果图纸、技术文件、工艺规程有较大改变, 应征得本机构同意。若改变涉及或影响到产品的设计、主要制造材料、关键工艺或产品的特性、特征, 则与特性有关的图纸和技术文件应经过本机构审批, 并在检验机构认为必要时, 经本机构检验人员到厂进行检查和见证有关试验, 其结果应能证实仍符合认可条件。

After works approval, if there are any major changes to the drawings, technical documents, specifications, prior consent should be obtained from the survey office of the Society. If the changes involve or affect product design, major construction materials, key workmanship or product characteristics and properties, drawings and technical documents related to properties are to be examined and approved by the Society and, where deemed necessary by the survey office, the surveyor to the Society will go to the manufacturer to inspect or witness relevant tests and the results of the tests should be able to demonstrate compliance with the approval conditions.

2. 工厂的专业质量管理体系应保持有效运行, 并且与认可时一致。如果质量管理体系发生改变, 应经原体系认证机构审核并报本机构批准。

The professional quality management system of the factory shall be ensure effective operation, and shall be the same as the situation of approval. If there are any changes to the quality management system, auditing of the original certification organization for quality management system and the society's approval shall be obtained.

3. 型式认可证书获得者应接受本机构每年一次的年度复查, 年度复查日为认可证书的签发日起的每一周年日, 检查工作可在年度复查日的前后三个月内进行。

Those who have obtained the certificate of type approval shall receive surveillance done by the Society on an annual basis. The date of surveillance shall be each anniversary date of the approval certificate since the date of issuance and the surveillance may be done within a time span of three months before and after the annual surveillance date.

4. 在认可证书有效期内, 本机构检验人员可在未经事先通知的情况下对工厂的产品制造过程进行审核, 以验证产品的生产是否符合业经本机构批准或备查的图纸和文件。工厂应予以配合。

Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved or noted by the Society. The factory should provide an active cooperation and necessary for the surveyor.

5. 认可证书有效期内, 如果出现可能导致本机构取消认可的情况, 工厂应及时采取有效的纠正措施。

Within the validity of the approval certificate, if cases occur that may cause the Society to withdraw the certificate, the manufacturer should take corrective actions in a prompt and effective manner.

**认可后的产品检验方式/ Requirements for Product Inspection after Approval**

认可后检验方式定为: 出厂检验。本证书所述产品检验由本机构检验师根据本机构规定, 每批抽样按批准的产品检验计划进行检验, 并在检验合格后颁发产品证书。

The method of inspection before delivery is used for products after approval. The products described in the certificate have been inspected by sampling by the Surveyor of the Society in accordance with the approved product inspection scheme, and the Product Certificate is issued upon satisfactory inspection.

**责任声明/ Statement of Responsibility**

中国船级社质量认证公司的检验不替代主管机关和其他相关机构对上述工厂的认可和发证。

The inspection of the CCS Certification does not substitute for the recognition and certification of the said factory by the competent authority and other relevant bodies.

**其他/ Others**

无/Nil

中国船级社  
CHINA CLASSIFICATION SOCIETY



\*\*\*\*\* 本证书正文完/ End of Text\*\*\*\*\*