



中国认可
国际互认
检测
TESTING
CNAS L0095

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No.: GJW2019-4648

检测报告

TEST REPORT

NAME OF SAMPLE: High-pressure sodium lamps

CLIENT: NINGBO OYATE LIGHTING ELECTRICAL APPLIANCE CO.,LTD

CLASSIFICATION OF TEST: Commission Test

Vkan Certification & Testing Co., Ltd.(CVC)




检测报告

TEST REPORT

No.: GJW2019-4648

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| | |
|--|--|
| Name of product: High-pressure Sodium Lamps | Trade mark: — |
| Type/Model: SON-250W | Sample status: — |
| Manufacturer: NINGBO OYATE LIGHTING ELECTRICAL APPLIANCE CO.,LTD | Commissioned by: NINGBO OYATE LIGHTING ELECTRICAL APPLIANCE CO.,LTD |
| Manufacturer address: Industrial Zone Xikou Fenghua Ningbo Zhejiang China | Commissioner address: Industrial Zone Xikou Fenghua Ningbo Zhejiang China |
| Quantity of sample: 1 pcs | Sampled by: — |
| Sample identification: 1-1 | Sampling at (place): — |
| Means of receiving: Submitted by manufacturer | Means of sampling: — |
| Classification of test: Commission Test | Sampling date: — |
| Receiving date: 2019.08.29 | Completing date: 2019.09.27 |
| Tested according to: IEC 60662:2011 High-pressure sodium vapour lamps-- Performance specifications | Test item: Full test (excluding Lumen maintenance and life) |
| <p>Test conclusion:</p> <p>The High-pressure sodium lamps submitted by NINGBO OYATE LIGHTING ELECTRICAL APPLIANCE CO.,LTD were tested according to the standard of IEC 60662:2011.</p> <p>All tested items are complied with the requirements in the standard.</p> <p>Test result: Pass</p> <div style="text-align: right;">  <p>Seal of CVC</p> <p>检验检测专用章</p> <p>Date of issue: 2019.09.30</p> </div> | |

Approved by: Xiao Hanguang

Reviewed by: Zhang Zhiping

Tested by: Lu Yongyu

Xiao Hanguang

Zhang Zhiping

Lu Yongyu

Description and illustration of the sample:

The samples' status is good.

Description of the sampling procedure:

/

Description of the deviation from the standard, if any:

/

Remarks:

Throughout this report a comma is used as the decimal separator.

Factory: NINGBO OYATE LIGHTING ELECTRICAL APPLIANCE CO., LTD

Factory address: Industrial Zone Xikou Fenghua Ningbo Zhejiang China

Photos:

Model: SON-250W



| IEC 60662:2011 | | | |
|----------------|--|---------|---------|
| Cl. | Requirement – Test | Result | Verdict |
| 1 | Scope | | P |
| | For high-pressure sodium vapour lamps comply with IEC 62035 | | P |
| 4 | General lamp requirements | | P |
| 4.1 | Conditions on safety | | P |
| 4.2 | Expectations on performance | | P |
| | Reliable in normal and accepted use | | P |
| 4.3 | Classification | | P |
| | According to the rated voltage | | P |
| | <input type="checkbox"/> LV;<70V | | N |
| | <input checked="" type="checkbox"/> HV;70 to 180V | 100V | P |
| | <input type="checkbox"/> EHV;>180V | | N |
| 5 | Marking | | P |
| | For lamps without an internal starting device and requiring an external ignitor. | | P |
| | For lamps having an internal starting device | | N |
| 6 | Dimensions | | P |
| | Comply with the values specified on the relevant lamp data sheet | | P |
| 7 | Caps | | |
| | Comply with IEC 60061-1 | E40 | P |
| 8 | Test requirement for lamp starting, warm-up, electrical and photometric characteristics | | P |
| 8.1 | General | | P |
| | Operated in a horizontal position in free air and at an ambient temperature of $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$, 50/60Hz power supply. Lamps shall not be operated during 5h immediately prior to making the starting test. | 26°C | P |
| 8.2 | Lamp starting test | | P |
| 8.2.1 | Lamps with external ignitor | | P |
| | The circuit connections for lamp starting shall be such that the pulse is applied to the time through the eyelet terminal of the cap and with the shell substantially at earth potential. | | P |
| 8.2.2 | Lamps with internal starting device | | N |
| | The starting time measured from applying the test voltage shall not exceed the maximum value shown on the lamp data sheets. | | N |
| 8.3 | Lamp warm-up test | | P |
| | Been aged for a minimum for 10h and cooled for a minimum of 1h | | P |
| 8.4 | Aging | | P |
| | Aging for 100h before initial reading | | P |
| 8.5 | Lamp electrical characteristics | | P |
| | Voltage(r.m.s) | 104,44V | P |

| IEC 60662:2011 | | | |
|----------------|--|---------------|---------|
| Cl. | Requirement – Test | Result | Verdict |
| | Current | 3,027A | P |
| | Wattage | 277,6W | P |
| 8.6 | Extinguishing voltage test | | P |
| | Only when extinguishing voltage is shown on the data sheet | | P |
| | Lamp shall be operated on a reference ballast at rated voltage. | | P |
| | Not extinguish when the supply voltage falls from 100% to 90% of the rated value in less than 0,5s and remains at that value for at least 5s | | P |
| 8.7 | Photometric characteristics | | P |
| | The luminous flux | 37868,7 lm | P |
| | Correlated colour temperature | 2079K | P |
| | Correlated co-ordinates x/y | 0,5267/0,4261 | P |
| | Colour rendering index R _a | 28,3 | P |
| 8.9 | Lumen maintenance and life | | N |
| | Lumen maintenance | | N |

注 意 事 项

Important

1. 报告无检测单位公章无效;

The test report is invalid without the official stamp of CVC;

2. 未经本试验室书面同意, 不得部分地复制本报告;

Any photocopies or part photocopies of the test report are forbidden without the written permission from CVC;

3. 报告无主检、审核、批准人签名无效;

The test report is invalid without the signatures of Author and Reviewer;

4. 报告涂改无效;

The test report is invalid if altered;

5. 对检测报告若有异议, 请于收到报告之日起十五天内向检测单位提出;

Objections to the test report must be submitted to CVC within 15 days;

6. 一般情况, 委托检测结果仅对所检测样品有效;

Generally, commission test is responsible for the tested samples only;

7. 检测结果中“N”表示“不适用”, “P”表示“通过”, “F”表示“不通过”。

As for the test result, “N” means “not applicable”, “P” means “pass” and “F” means “fail”.

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