


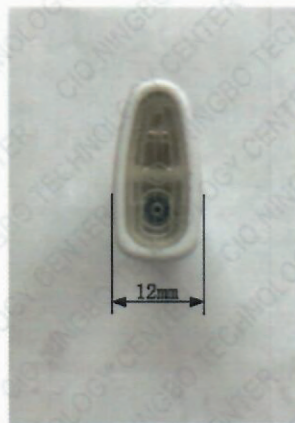
TEST REPORT

<p>Sample Name: WK56 Lighter</p> <p>Brand: ----</p> <p>Model and Weight: 82mm×20mm×12mm/13.85g</p> <p>Mass of fuel: 1.3g</p> <p>Date of Report: August 19, 2019</p> <p>Date of Test: From July 19, 2019 to August 19, 2019</p> <p>Units: 150 pcs</p> <p>Applicant: Weicheng Lighter Manufacture Co., Ltd.</p> <p>Address: No.8, Hubian Avenue, Hubian Town, Ganzhou Economic and Technological Development Zone, Ganzhou City, Jiangxi Province, China</p>	
<p>Test Requested: ISO 9994:2018 Lighters-Safety Specification</p>	
<p>Source: Weicheng Lighter Manufacture Co., Ltd. Manufacturer Code: 36L006</p>	

Determinant Result

Through inspection this lot of samples Do meet ISO 9994:2018 Lighters-Safety Specification.

Photographs:



0197092

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声明

- ① 本报告无本单位检验检测专用章无效;
The report is invalid without the unit testing.
- ② 本报告无授权签字人签名无效;
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- ③ 本报告涂改、缺页、部分复印无效;
The report will be invalid if altered, deficient or partly duplicated.
- ④ 若非本单位抽样, 本报告仅对来样负责。
The report is responsible for the received samples only, unless they are taken by ourselves.



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Results:

The product was non-adjustable. The 150 sample elements were numbered from 1 to 150. 1# ~ 108# were for test, and 109# ~ 150# were for sample reservation. The product had normal burning. The product has no external sharp edges that could cause accidental cuts or abrasions to the user when handled or used in the intended manner (Subclause 5.1) .

Flame Height Measurement (Subclause 6.2)

1#~9# elements were subject to the Flame Height Measurement.

Criteria: 4.1-In order to minimize the possibility of inadvertent ignition, or self-ignition, lighters shall require a deliberate manual operation to produce a flame. This operation shall conform to at least one of the following requirements:

- positive action on the part of the user shall be required to generate and maintain a flame;
- two or more independent actions by the user shall be required to generate a flame;
- an actuating force equal to, or greater than, 15 N shall be required to generate a flame

4.2-Maximum flame heights specified in this International Standard, for both postmixing burner lighters and premixing burner lighters, will be reconsidered periodically with a view to gradual reduction in line with technological progress.

Non-adjustable, postmixing and premixing burner lighters shall not be capable of producing a flame height greater than 50 mm when tested in accordance with 6.2.

The maximum attainable flame height for lighters shall be limited by pre-setting or by product design, or both.

4.3- Flame-height adjustment.

Results: *No defects were observed*



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Spitting, Sputtering and Flaring Test (Subclause 6.3)

10#~18# elements were subject to the Spitting, Sputtering and Flaring Test.

Criteria: 4.4-Gas lighters, when set at the maximum flame height, shall exhibit no spitting or sputtering, or flaring, when tested in accordance with 6.3.

5.7-The following types of lighter shall be capable of withstanding a burning time of 10 s when held in a position such that the top of the wick, or burner valve orifice, is at an angle of 45° below the horizontal, without evidence of any burning or distortion of components so as to cause a hazardous condition:

b) non-adjustable gas lighters at their permanently set flame heights;

Results: *No defects were observed*

Flame Extinction Test (Subclause 6.4)

19#~27# elements were subject to the Flame Extinction Test.

Criteria: 4.5- When a lighter is extinguished in the intended manner, for example by closing a cover or by releasing a button or a lever, it shall meet the following requirements with respect to extinction time.

a) Non-adjustable postmixing burner lighters, at their permanently set flame heights, when tested in accordance with 6.4, shall have any exposed flame completely extinguished within 2 s after a 10 s burn.

c) In the case of postmixing burner lighters that have shields, an additional 2 s afterburn (i.e. continuous burning) is acceptable if the flame, during this additional 2 s period, does not extend above the shield.

d) Non-adjustable premixing burner lighters, at their permanently set flame heights, when tested in accordance with 6.4, shall have any flame completely extinguished in no more than 5 s.

Results: *No defects were observed*

Fuel Compatibility Test (Subclause 6.5)

100#~108# elements were subjected to the Fuel Compatibility Test.

Criteria: 5.2-Components of gas lighters that come into contact with the fuel recommended by the manufacturer shall not deteriorate after exposure to the fuel, so as to cause the lighter to fail any of the criteria contained in this specification or allow gas escape exceeding 15 mg/min, when tested in accordance with 6.5.

Lighters that meet this requirement, and that are still able to be ignited in the intended manner, shall subsequently be capable of meeting all applicable requirements of 4.1 to 4.5, inclusive.

Results: *No defects were observed*



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Refilling Test (Subclause 6.6)

82#~90# elements were subjected to the Refilling Test.

Criteria: 5.3- Refillable gas lighters shall have a pressurized fuel reservoir whose refilling valve shall be secure enough to prevent an escape of gas exceeding 15 mg/min, when tested in accordance with 6.6.

Results: *No defects were observed*



Fuel Volumetric-displacement Test (Subclause 6.7)

91#~99# elements were subjected to the Fuel Volumetric-displacement Test.

Criteria: 4.6-For gas lighters shipped with fuel, the liquid portion of the fuel shall not exceed 85 % of the volumetric capacity of the fuel reservoir when tested in accordance with 6.7.

4.7-For gas lighters shipped with fuel, the mass of liquefied fuel shall not exceed 10 g.

Results: *No defects were observed*

Drop Test (Subclause 6.8)

28#~36#/37#~45# elements were subject to the Drop Test.

Criteria: 5.4-Without impairing their subsequent safe operation, lighters shall be capable of withstanding three separate $(1,5 \pm 0,1)$ m drops conducted in accordance with 6.8:

- (a) without fuel reservoir rupture/fragmentation
- (b) without sustained self-ignition

In addition, for gas lighters, gas escape shall not exceed 15 mg/min.

Lighters that meet this requirement, and that are still able to be ignited in the intended manner, shall subsequently be capable of meeting all applicable requirements of 4.1 to 4.5, inclusive.

Results: *No defects were observed*



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Elevated Temperature Test (Subclause 6.9)

46#~54# elements were subjected to the Elevated Temperature Test.

Criteria: 5.5-Gas lighters, and fluid lighters with a sealed compartment filled with non-absorbed fuel, shall be capable of withstanding a temperature of 65 °C for 4 h when tested in accordance with 6.9.

Lighters that meet this requirement, and that are able to be ignited in the intended manner, shall be capable after stabilization at a temperature of (23 ± 2) °C of meeting all the applicable requirements of 4.1 to 4.5, inclusive.

Results: *No defects were observed*

Internal-pressure Test (Subclause 6.10)

55#~63# elements were subjected to the Internal-pressure Test.

Criteria: 5.6- Gas lighters shall be capable of withstanding an internal pressure equal to 1.93MPa, increasing the pressure at a rate not exceeding 69 kPa/s, when tested in accordance with 6.10. If there is no rapid drop of pressure during the course of the test, the lighter fuel reservoir and closures are considered acceptable.

Results: *No defects were observed*

Cyclic-burning-time Test (Subclause 6.11)

64#~72# elements were subjected to the Cyclic-burning-time Test.

Criteria: 5.8- The following types of lighter shall be capable of withstanding a burning time of 20 s - repeated 10 times - when tested in accordance with 6.11:

c) adjustable gas lighters, with the flame height set at 50 mm, or the maximum flame height the adjustment allows if lower than 50 mm.

Lighters that meet this requirement, and that are still able to be ignited in the intended manner, shall subsequently be capable of meeting all applicable requirements of 4.1 to 4.5, inclusive.

Results: *No defects were observed*



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Continuous-burn-time Test (Subclause 6.12)

73#~81# elements were subjected to the Continuous-burn-time Test.

Criteria: 5.9- The following types of lighter shall be capable of withstanding a continuous burning time of 2 min with the flame in a vertically upward position without causing a hazardous condition, when tested in accordance with 6.12:

adjustable gas lighters, with the flame height set at 50 mm, or the maximum flame height the adjustment allows if lower than 50 mm.

Results: *No defects were observed*



<p>Test by: 陈成成</p> <p>Date: August 19, 2019</p>	<p>Reviewed by: 陈成成</p>	<p>Official Seal: 宁波市质量技术监督局 检验检测专用章 (1)</p>
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- Remark: 1.The above results only apply to the sample as received.
 2.This report is invalid without the written approval of the laboratory.
 3.The copy of this report is invalid.
 4.The report would be avoid without authorized signature and seal.
 5.The samples will be keeping from August 19, 2019 to August 18, 2020.