



## TEST REPORT

Client: Weicheng Lighter Manufacture Co. Ltd  
803 Factory Road  
Hubian Town  
Ganzhou City  
CHINA



FAO: Sunny Fang

Sample: **ELECTRONIC LIGHTER SONAR WK72**

Laboratory No: S1303114/REM/AM1 Reference No: WK72

Amendment to Test Report S1303114/PW dated 29<sup>th</sup> August 2013

Order No: --- Date received: 14/06/2013

Sales order: 10020914

Description: A refillable, post-mixing gas lighter with a push button actuator and flame height adjustment switch. The lighter has a decorative wrap with a picture of a surfer. Approximate dimensions: 21mm x 80mm

Test conducted: BS EN ISO 9994 : 2006 + A1: 2008 – Lighters – Safety Specifications

Results: See report details.

Conclusion: The sample **complied** with the requirements of the above-mentioned standard.

**Andrew Wiseman**  
Client Services Project Manager

9<sup>th</sup> September 2013

All results relate only to the sample(s) received for testing.  
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## **REPORT DETAILS**

### **BS EN ISO 9994:2006 - LIGHTERS**

Section numbers below correspond to clauses of the above mentioned standard. Clauses not mentioned are not applicable to the sample.

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

### **3 FUNCTIONAL REQUIREMENTS**

**3.1 Flame generation..... Pass**

### **3.2 Flame heights**

#### **3.2.2 Adjustable lighters**

**3.2.2.1 Flame heights..... Pass**

**3.2.2.2 ..... Pass**

Flame height when first used = 15mm

**3.2.2.3 ..... Pass**

Flame height when set to maximum = 20mm

**3.2.2.6 ..... Pass**

Flame height when set on minimum = 10mm

**3.2.2.8 ..... Pass**



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**3.3 Flame-height adjustment**

**3.3.1** .....Pass

**3.3.2** .....Pass

**3.3.3** .....Pass

**3.3.5** .....Pass

Minimum actuating force = 9-11N

**3.4 Resistance to spitting or sputtering and flaring**.....Pass

**3.5 Flame extinction**.....Pass

**3.6 Volumetric displacement**.....Pass

Liquid portion of fuel = 54% of the volumetric capacity of the fuel reservoir

**4 STRUCTURAL INTEGRITY REQUIREMENTS**

**4.1 External finish**.....Pass

**4.2 Compatibility with fuel**

**4.2.2**.....Pass

Gas lost = 0mg/minute

**4.3 Resistance to fuel loss**.....Pass

**4.3.2**.....Pass

Fuel loss approximately 0.013mg/minute



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**4.4 Resistance to dropping.....Pass**

Freezer sample gas loss = 0mg/minute

Stabilised sample gas loss = 0mg/minute

**4.5 Resistance to elevated temperature.....Pass**

Gas loss = 0mg/minute

**4.6 Resistance to internal pressure.....Pass**

**4.7 Burning behaviour**

**4.7.1 45° for 5 seconds.....Pass**

**4.7.2 Inclined position at 45° for 10 seconds.....Pass**

**4.8 Resistance to cyclic burning.....Pass**

**4.9 Resistance to continuous burning.....Pass**

**6 INSTRUCTIONS AND WARNINGS**

**6.1 General.....Pass**

**6.2 Location.....Pass**

**6.3 Content.....Pass**

**6.3.1**

All safety information is accompanied by the specific word “Warning” in close proximity	Present
“Keep away from children” or “Keep out of reach of children”	Present
The statement is emphasised and distinctive	Present
Ignite lighter away from face and clothing	Present
Contains flammable gas under pressure	Present
Contains flammable fluid	Not applicable
When filled, will contain flammable fluid	Not applicable
Never expose to heat above 50°C or to prolonged sunlight	Present
Never puncture or put in fire	Present



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**6.3.2 The supplied safety information contained the substance of the following.....Pass**

Be sure flame is out after use	Present
This lighter does not self-extinguish – Close the cover to put out	Not applicable
Extreme heat is present above the visible flame. Extra care should be taken to prevent burn injury or fire	Not applicable
Do not keep it lit for more than 10 seconds`	Not applicable

**6.4 Safety symbols.....Pass**

**6.5 Refilling instructions.....Pass**

**6.5.3 Gas lighters.....Pass**

**7 PRODUCT MARKING.....Pass**

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