

Test Report

No.: QDHL1611008920CD

Date: DEC.06,2016

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MID OCEAN HONG KONG LTD
UNIT 201, 2/F., LAFORD CENTRE, 838 LAI CHI
KOK ROAD, CHEUNG SHA WAN, KOWLOON, HONG KONG

The following sample(s) was/were submitted and identified by the client as:

Sample Description : SCENTED CANDLE
SGS Ref. No. : QDHL1611008920CD
Style/ Item No. : MO9030
P.O. No. : 4100069836
Country of Origin : CHINA
Country of Destination : ROTTERDAM
Sample Receiving Date : NOV.30,2016
Testing Period : NOV.30,2016 TO DEC.06,2016
Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT
Test Requested : 1.CANDLES-SPECIFICATION FOR FIRE SAFETY (EN 15493:2007)
2. CANDLES-PRODUCT SAFETY LABELS (EN 15494:2007)
3. SPECIFICATION FOR SOOTING BEHAVIOR (EN 15426:2007)
Test Result(s) : PLEASE REFER TO THE FOLLOWING PAGE(S)
Conclusion : THE SUBMITTED SAMPLE MET THE TEST REQUIREMENT.

SGS-CSTC Standards Technical Services Co., Ltd.

Qingdao Branch

Approved by:



Zhou Xinkuan, SK
Lab Manager



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Test Conducted:

1. Candles—Specification for Fire Safety (EN 15493:2007)

Number of test sample	:	3 Pieces
Type of candle	:	<input type="checkbox"/> Taper <input type="checkbox"/> Pillar <input type="checkbox"/> Tea light <input type="checkbox"/> Votive <input type="checkbox"/> Float <input type="checkbox"/> Citronella <input checked="" type="checkbox"/> Others
Shape of candle	:	<input type="checkbox"/> Sphere <input checked="" type="checkbox"/> Cylinder <input type="checkbox"/> Cube <input type="checkbox"/> Pyramid <input type="checkbox"/> Asymmetrical <input type="checkbox"/> Others
Number of wick	:	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Multi
With holder	:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Chamber No.	:	5
Test deviation	:	<input type="checkbox"/> Yes, Maximum temp. in chamber: _____ °C <input checked="" type="checkbox"/> No

Physical characteristics of samples:

Sample No.	Weight (g)	Dimension (Ø x H) (mm)
1#	121.8	50.20 x 62.84
2#	125.8	49.93 x 62.84
3#	120.1	50.22 x 62.62

Clause	Test Method/ Requirement	Rating/ Result
4.1 Stability	Requirement: Free-standing candle shall not tip over when tested on a slope of 10°.	Pass
4.2 Secondary ignition	Requirement: No second ignition shall occur for more than 10s.	Pass
4.3 Flame height	Requirement: The flame height for all candle types, except tea lights, shall not exceed 75mm. The flame height for tea lights shall not exceed 30mm.	Pass Maximum flame height 37 mm
4.4 Behavior by self-extinguishing at the end of the burning process	Requirement: Container candle and candles marketed as self-extinguishing shall, at the end of the burning time, self extinguish and, in the case of container candles, not break the container.	Pass
4.5 Re-ignition after extinguishing	Requirement: The wick shall not continue to flow or smoke for more than 20 seconds after extinguishing. After extinguishing the candle shall not spontaneously re-light.	Pass



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2. Candles — Product Safety Labels (EN 15494:2007)

Number of tested sample: 1 piece

Scope: To check the contents of the labeling & warning attached on the sample or packing.

Clause	Test Method/ Requirement	Rating/ Result										
2.1 Safety information	<p>The safety information shall be given on a product safety label in the form of a symbol or text, it shall be visible and legible on the packaging or product, in cases that the safety labeling on the packaging or product is not practical, an instruction leaflet shall be available at the point of sale</p> <p>The Minimum safety information with which a candle can be labelled</p> <p>The messages specified in Table 1 represent the minimum safety information with which a candle can be labelled.</p> <p style="text-align: center;">Table 1 — Mandatory safety information</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Safety information given as a symbol</th> <th style="width: 50%;">Safety information given as a text</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">  Figure 1 </td> <td>Never leave a burning candle unattended.</td> </tr> <tr> <td style="text-align: center;">  Figure 2 </td> <td>Burn candle out of the reach of children and pets.</td> </tr> <tr> <td style="text-align: center;">  Figure 3 </td> <td>Always leave at least xx* cm between burning candles.</td> </tr> <tr> <td style="text-align: center;">  Figure 4 </td> <td>Do not burn candles on or near anything that can catch fire.</td> </tr> </tbody> </table> <p>* xx represents the minimum safety distance as recommended by the manufacturer.</p> <p>NOTE Figure 3 and associated text are not applicable for floating candles.</p> <p>If safety information texts are chosen rather than safety information symbols then they shall be given in their own national language or language of the country in which the candles are marketed.</p> <p>Additional optional safety messages are encouraged</p>	Safety information given as a symbol	Safety information given as a text	 Figure 1	Never leave a burning candle unattended.	 Figure 2	Burn candle out of the reach of children and pets.	 Figure 3	Always leave at least xx* cm between burning candles.	 Figure 4	Do not burn candles on or near anything that can catch fire.	Pass
Safety information given as a symbol	Safety information given as a text											
 Figure 1	Never leave a burning candle unattended.											
 Figure 2	Burn candle out of the reach of children and pets.											
 Figure 3	Always leave at least xx* cm between burning candles.											
 Figure 4	Do not burn candles on or near anything that can catch fire.											



Clause	Test Method/ Requirement	Rating/ Result
2.2 Layout of a product safety label	<p>A product safety label for candles consists of the following components:</p> <p>a. Form 1: general warning sign and supplementary safety information symbol, or</p> <p>b. Form 2: general warning sign and supplementary safety information text.</p> <p>The safety information symbol shall be placed below or beside the general warning sign</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">  <p>Safety information (as symbol (Form 1) or text (Form 2))</p> </div> <div style="margin: 0 10px;">or</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">  <p>Safety information (as symbol (Form 1) or text (Form 2))</p> </div> </div>	Pass



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3. Specification for Sooting behavior (EN 15426:2007)

Purpose: To evaluate the sooting behaviour of burning candles

Number of Specimen: 3 pcs of candles for testing

Test condition: Draft-free Environment Chamber No.4.

Testing room temperature: 15°C to 25°C

Test requirement: The average soot index from three tests (Samples) shall be less than 1.0/hour, no individual sample shall exceed 2.0/hour

Test Items	(1)	(2)	(3)
Original candle dimension (mm)	(Ø)50.20 x(H)62.84	(Ø)49.93 x(H)62.84	(Ø)50.22x(H)62.62
Candle net weight (g)	46.7	47.8	45.4
Total measuring time (hour) (t _m)	8	8	8
Soot Index (Si)	1.57	1.71	2.29
Average soot index per hour (Si _h)	0.20	0.21	0.29

Average Si_h : 0.23

Conclusion : PASS



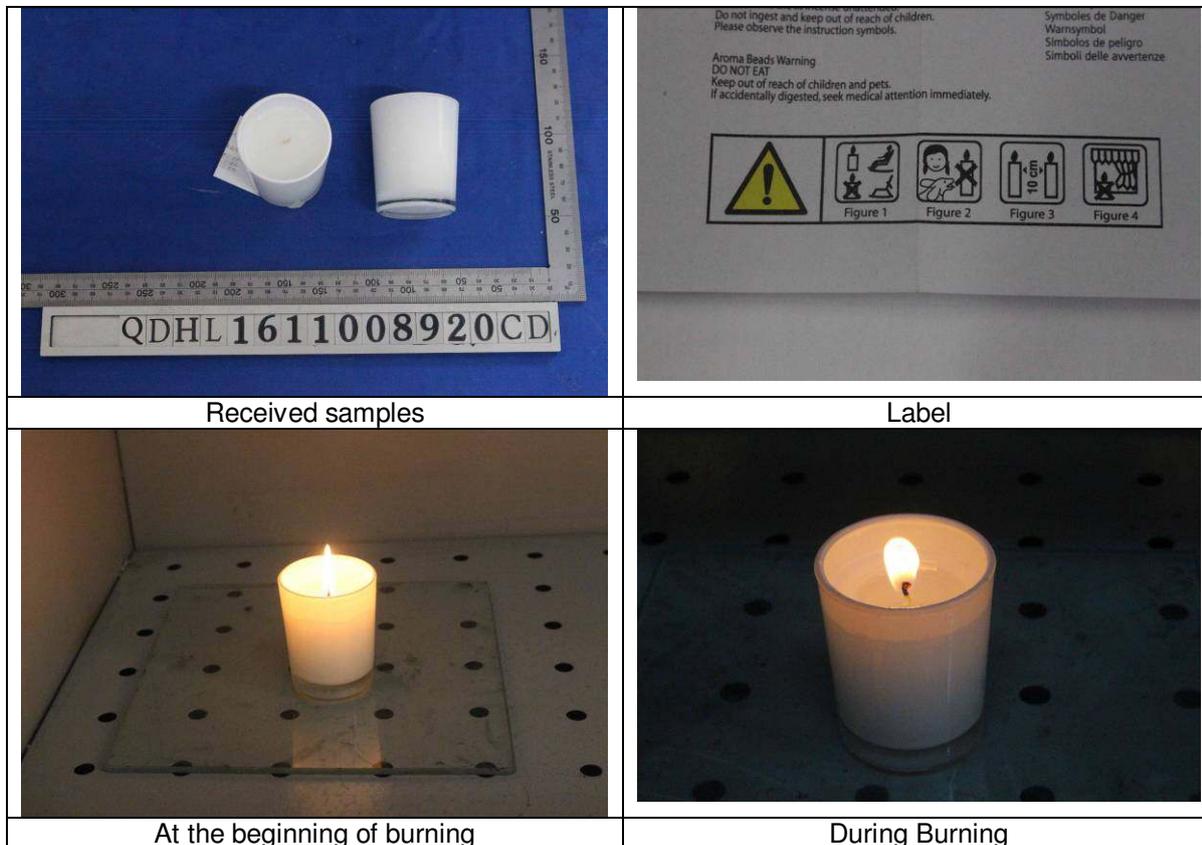
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Sample Photo:



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End of Report



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