



TEST REPORT

Reference No...... : WTF18F05112119C
Applicant..... : Mid Ocean Brands B.V.
Address..... : Unit 201 2/F., Laford Centre, 838 Lai Chi Kok Road, Cheung Sha Wan,
Kowloon, Hong Kong.
Manufacturer : 112213
Sample Name : Tea light holder
Model No...... : CX1420, CX1446, CX1444, CX1445, MO9377, MO9378
Test Requested : As requested by the applicant
- Buring Safety (BS EN 15493:2007)
- Candle Fire Safety Labeling (BS EN 15494: 2007)
- Soot Release (BS EN 15426:2007)
Test Method..... : Please refer to next page (s)
Test Conclusion : Please refer to next pages for details
Date of Receipt sample : 2018-05-18
Date of Test..... : 2018-05-18 to 2018-05-25
Date of Issue..... : 2018-05-28
Test Result..... : Please refer to next page (s)

Remarks:

The results shown in this test report refer only to the sample(s) tested; this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

Waltek Services (Foshan) Co., Ltd.

Address: No. 13-19, 2/F, 2nd Building, Sunlink International Machinery City, Chencun Town, Shunde District, Foshan, Guangdong, China
Tel :+86-757-23811398
Fax:+86-757-23811381

Compiled by:

Swing Liang

Swing.Liang / Project Engineer

Approved by:



Dino Zhang

Dino Zhang / Lab Manager

**Test Results:****1) Buring Safety (BS EN 15493:2007)**

Test Standard:	BS EN 15493: 2007 Candles -Specification for Fire Safety
Number of sample(s) tested:	3 pieces of tea light candle for testing
Instruction label:	Provided. Candle wicks are trimmed in accordance with the label's instructions
Burn test cycle:	Burn candle continuously until self extinguishing

Clause	Requirement	Result
4.1	Stability - free-standing candles shall not tip over when tested on a slope of 10° .	Pass
4.2	Secondary ignition - No secondary ignition shall occur for more than 10s	Pass
4.3	Flame height - Maximum 75 mm for all candles except tea lights - Maximum 30mm for tea lights	Pass
4.4	Behaviour by self-extinguishing at the end of the burning process - Shall self extinguish at the end of the burning time - Shall not cause the container to break (if applicable)	Pass
4.5	Re-ignition after extinguishing - The wick shall not continue to glow or smoke for more than 20 s after extinguishing - The candle shall not spontaneously re-light after extinguishing	Pass

Abbreviation: NA=Not Applicable

Test Data:

Sample ID	Wax weight (in net and g)	Size (mm)
A1	9.6	Φ 37×11
A2	9.6	Φ 37×11
A3	9.9	Φ 37×11

Sample ID	Flame height(mm)		Total burn time(hours)	Percentage of wax burnt(%)	Wax spillage(%)
	Minimum	Maximum			
A1	20	25	4	97.9	NA
A2	20	25	3	96.9	NA
A3	20	25	4	98.0	NA

Abbreviation: NA=Not Applicable



Exhibit:



At beginning of burning



At end of burning (A1)



At end of burning (A2)





At end of burning (A3)

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2) Candle Fire Safety Labeling (BS EN 15494: 2007)


Test Standard:	BS EN 15494: 2007 Candles- Products Safety Labels
Number of sample(s) tested:	One set product with full packaging(red style)

Clause	Requirement	Finding	Result
2.1	<p>Safety information</p> <ul style="list-style-type: none"> - Either be displayed in the format of pictogram or text - Visible and legible on the packaging or product - If not practical, an instruction leaflet shall be available at the point of sale - Text information shall be given in their own national language(s) for the selling markets 	See Test Data	Pass
2.2	<p>Layout of product safety label</p> <ul style="list-style-type: none"> - Shall be in Form 1 or Form 2 as stated in the Standard - Safety information symbol or text shall be located below or beside the general warning sign <div style="text-align: center;">  </div> <p>Safety information (as symbol (Form 1) or text (Form 2))</p> <div style="text-align: center;">  </div> <p>Safety information (as symbol (Form 1) or text (Form 2))</p>	Form 1 Safety information symbol <u>beside</u> General warning sign	Pass

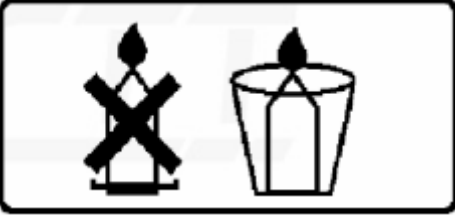



In the form of Pictogram	In the form of Text	Finding
Mandatory Safety Information		
	Never leave a burning candle unattended	In Pictogram Present
	Burn candle out of the reach of children and pets	In Pictogram Present
	Always leave at least xx cm between burning candles. Remark: xx-minimum safety distance recommended by the manufacturer	In Pictogram Present
	Do not burn candles on or near anything that can catch fire	In Pictogram Present
Optional Safety Information		
	Do not place candles in a draught	Not Present
	Do not place candles near a source of heat	Not Present



In the form of Pictogram	In the form of Text	Finding
	Place candles in an upright position	Not Present
	Trim wick to about 1cm before lighting	Text Form Present (See note#)
	Always snuff out the flame. Do not blow it out	Text Form Present (See note#)
	Always use a candleholder	Not Present
	Keep the wax pool clear of matches and other debris to avoid flaring	Text Form Present (See note#)
	Only use tea light in holders and warming stoves with sufficient ventilation	Text Form Not Present
	Do not move a burning candle	Text Form Present (See note#)



	Use a suitable container as these candles liquefy when burning	Text Form Present (See note#)
	Never use liquid to extinguish	Not Present

Note: equivalent meaning but not exactly the wording.

3) Soot Release (BS EN 15426:2007)

Test Standard:	BS EN 15426: 2007 Candles -Specification for Sooting Behaviour
Number of sample(s) tested:	3 pieces of tea light candle
Instruction label:	No visible defects was found on all tested samples
Bum test cycle:	The average soot index from three tests(samples) shall be less than 1.0/hour, no individual sample shall exceed 2.0/hour
Conclusion:	Pass

Tested Sample	A4	A5	A6
Original candle diameter(mm)	Φ 37	Φ 37	Φ 37
Original candle height(mm)	11	11	11
Net Candle weight (g)	9.6	9.8	9.8
Total measuring time, tm(hours)	3	4	4
Soot Index, Si	0.52	0.58	0.45
Average soot index per hour, Sin(Si/tm) Note. Acceptance criteria: <2.0/hour	0.17	0.14	0.11
Average Soot index from 3 samples Note. Acceptance criteria: < 1.0/hour		0.14	

Exhibit:



Label(1)



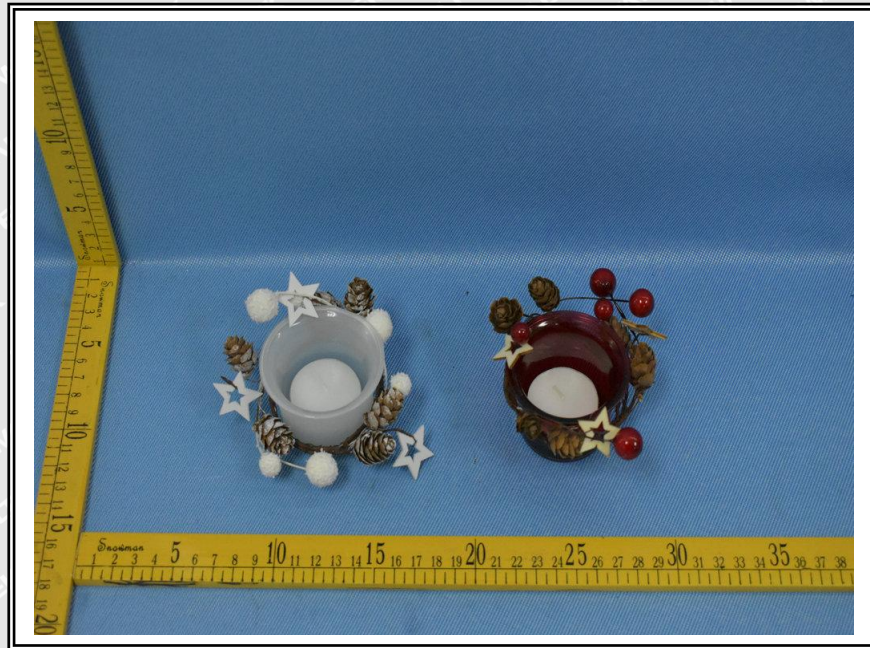
Label(2)



Sample photo:









===== End of Report =====