

TEST REPORT

Reference No.: WTF21F08089308C

Applicant: Mid Ocean Brands B.V.

Address: 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon,

Hong Kong

Manufacturer..... 112213

 Sample Name
 : Candle

 Model No.
 : MO6316

Test Method : Please refer to next page (s)

Test Conclusion: Please refer to next page (s)

Date of Receipt sample..... 2021-08-09

Date of Test : 2021-08-09 to 2021-09-04

Date of Issue : 2021-09-07

Test Result: Please refer to next page (s)

Remarks:

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Test requested and conclusion(s):

No.	Standard and requirement	Conclusion(s)
1	BS EN 15426:2018 Candles-specification for sooting behavior	PASS
2	BS EN 15494:2019 Candles. Product safety labels	PASS
3	BS EN 15493:2019 Candles. Specification for fire safety	PASS

Test result(s):

Soot release (BS EN 15426:2018)

Test standard:	BS EN 15426:2018 Candles-specification for sooting behavior		
Number of sample(s) tested:	3 pieces of container candle		
Initial observation:	No visible defects was found on all tested samples		
Test requirement:	The average soot index from three tests (samples) shall be less t		
at the state of	1.0/hour.		

Tested sample	At A A A A A A A A A A A A A A A A A A	A2"	A3
Original candle diameter (mm)	Ø72.50	Ø72.56	Ø72.54
Original candle height (mm)	99.91	99.91	99.92
Net candle weight(g)	245.1	244.4	247.9
Total measuring time, t _m (hours)	12	12	12
Soot index,Si	0.19	0.58	0.67
Average soot index per hour, Si _h (=Si/t _m)	0.02	0.05	0.06
Average soot inde from 3 samples Note: acceptance criteria: <1.0/hour	NITER WILLER WINITE W	0.04	of the title

Test result(s): Candle Fire safety labelling (BS EN 15494:2019)

Test standard:	BS EN 15494:2019 Candles-Product Safety Labels
Number of sample(s) tested:	One set product with full packaging

laus e	Requirement	Result	Rating
4.2	Layout of the product safety label The product safety label for candles consists of the following components: general warning sign based upon ISO 7010- W001 (see Figure 1). mandatory supplementary safety information symbols or texts (see Tables 1 to 3). optional supplementary safety information symbols or texts (See Annex A). The supplementary safety information symbols or texts shall be placed in close proximity to the general warning sign below and/or to the right beside the general warning sign (see Figure 2). Borders are optional. All components of the product safety label shall be in distinct contrast from its background. For candle labels made with one-colour printing, the background colour of the general warning sign does not need to be yellow.	See Test Data Safety information beside the general warning sign	PASS



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TEX WALTE	Figure 1 – General warning sign	ex unitex whitex white white whitex w	LIEK WHITE WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK
	Supplementary safety information (symbols or text) Figure 2 — examples of layouts of a product safety label for candles	MULIER MULIER MULE	HE WHITE WHITE
WILLE T	Layout of supplementary safety information	alier while and it	Where Muzze M
TEK WALTE WALTEK WALTEK WALTEK WALTEK WALTEK WALTEK	If safety information texts are chosen rather than safety information symbols then they or their practical equivalents shall be given in their own national language or languages of the country in which the candles are marketed. The supplementary safety symbols and text shall be reproduced as shown in Tables 1 to 3 and Tables A. 1 to A. 5. However, some degree of modification is permitted when cultural differences or special application formats (e.g. candle shape/type) need to be considered, provided the original meaning is retained and comprehension of the safety information is maintained.	The height of the safety symbols:6.12mm	PASS
	The minimum height of the safety symbols is 5 mm provided that the content of the safety message is legible due to the quality of the print.	MULTE WILL MY	Mus My
st w	Display of a product safety label As a minimum the product safety label with the mandatory supplementary safety information (Tables 1 to 3) shall be visible and legible on the packaging or product.	ntick whitek whitek	MITEL WHITEL WHI
4.4	If the space is limited, the optional supplementary safety information can be placed elsewhere, e.g. on the backside of a peel-off label or the inner sides of a fold-out label, together with the mandatory supplementary safety information repeated. There shall be clear indication where to find this additional safety information.	Safety labels on packaging	PASS



Test data

Test data: In the form of symbol	In the form of Text	Finding
Table 1- mandatory supplementary safe		
	Never leave a burning candle unattended.	In Symbol Present
	Keep away from things that can catch fire.	In Symbol Present
	Keep away from children and pets.	In Symbol Present
Table 2 – additional mandatory	supplementary safety information –specific for certain	ain candles types
	Use a heat resistant candleholder.	In Symbol Present
Table 3 –additional mandat	ory supplementary safety information –specific for flo	pating candles
	Use in a suitable bowl filled with water	No Present
Table A	.1 – optional supplementary safety information	MITER WAITER WAITE W
Authorite and the x cm	Keep candles at least x cm apart. Note: X represents the minimum safety distance between candles and is defined by the manufacturer.	In Symbol Present

Mr. Mr. Mr.	THE LEFT NETT NETT NOTE OF	La August A
	Do not burn in a draught.	No Present
	Do not place near a heat source.	No Present
State Assert St	Place candle upright.	No Present
ŢŢ×cm	Trim wick to x cm. Note: x represents the maximum length of the wick and is defined by the manufacturer.	No Present
	Snuff out the flame. Do not blow it out.	No Present
	Keep wax pool clear of matches and debris.	No Present
	Do not move a burning candle.	No Present



		20. 2
	Never use liquid to extinguish.	Not Present
	Remove packaging before use.	No Present
Mitter and the state of the sta	Trim edge if higher than x cm. Note: x represents the maximum length of the wick and is defined by the manufacturer.	Not Present
Table A.2 – additional option	nal supplementary safety information – specifi	c for tea light
	Only use in holders and warning stoves with sufficient ventilation.	Not Present
Table A.3 – additional optional	supplementary safety information - specific for	or votive candles
	This candle liquefies, use a suitable container.	Not Present
Table A.4 – additional optional su	upplementary safety information - specific for	container candles
	Do not touch, may be hot.	Not Present
Table A.5 – Additional optional suppleme	ntary safety information – specific for candles	not appropriate to use in a
wa	rming unit, e.g. scented tea lights	at at at at
	Do not burn in a warming unit.	Not Present



Test result(s): Burning safety (BS EN 15493:2019)

Test standard:	BS EN 15493:2019 Candles. Specification for fire safety	
Number of sample(s) tested:	ample(s) tested: 3 pieces of candle for testing	
Instruction label	Provided	
Burn test cycle	Burn candle 4 hours, pause for minimum 1 hour.	
LEX TEX TEX STEEL OF	Continue to burn in cycles until self-extinguishing.	

Clause	Requirement	Result
4.1	Stability — Freestanding candles, container candles and candles that are sold together with a holder or other accessories shall not tip over when tested on a slope of $(10 \pm 0.2)^{\circ}$.	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 30 mm for tea lights	PASS
4.4	Self-extinguishing To prevent the ignition of the surface underneath, freestanding candles marketed as self-extinguishing shall self-extinguish at the end of the burning time. The candles shall neither burn a paper placed underneath nor cause any scorch marks on it during the whole burning test. To prevent the ignition or cracking of a supporting holder, non- freestanding candles marketed as self-extinguishing shall self- extinguish at a residual height of ≥ 12 mm in case of candles with a diameter of ≤ 14 mm and at a residual height of ≥ 18 mm in case of other candles.	MALIER MALER MILES
4.5	Behaviour after extinguishing After extinguishing the candle shall not spontaneously re-light. The wick shall not continue to glow or smoke for an average time of more than 30 s after extinguishing.	PASS
4.6	Container candles The container shall not crack or break at any time throughout the burning test.	PASS

Abbreviation: NA =Not applicable

Test data:

Sample ID	Wax weight (in net and g)	Size (mm)
A1	251.1	Ф88.88 X 101.83
A2	249.3	Ф89.61 X 101.65
A3	249.4	Ф89.40 X 101.78

Sample ID	Flame height (mm)		at at	Percentage	WILL WILL	Average
	Maximum	Maximum	Total burn time(hours)	of wax burnt (%)	Wax spillage(%)	after smoke or glow time (s)
- A1-	20	50	49.3	98.9%	4 -x+	11
A2	20	40	49.7	99.5%	147 M	w10 w
A3	20	50	47.2	99.5%		8

Test Specimen Description:

No.1: White candle(MO 6316)

Sample photo:



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