

# TEST REPORT

Report No. AL2107432901EN

Approved date: Jul. 21, 2021

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**Applicant** XINDAO B.V.  
**Address** P.O. BOX 3082, 2280 GB, RIJSWIJK, THE NETHERLANDS

**The following submitted sample(s) was/were identified by/on behalf of the applicant as**

**Sample Name** Glu mulled wine set with glasses  
Cocoa chocolate fondue set, black

**Item No.** P263.211  
P263.201

**Summary****Date Received** Jul. 15, 2021**Test Period** Jul. 15, 2021 to Jul. 21, 2021

<b>Test Request</b>	<b>Conclusion</b>
As specified by applicant, the following tests were conducted:	
--BS EN 15493: 2019 Candles-specification for fire safety	PASS
--BS EN 15494: 2019 Candles-product safety labels	PASS
--BS EN 15426:2018 Candles-specification for sooting behaviour	PASS

**For more information about the test, please refer to the following pages.**Compiled  
ByHe hai yingChecked  
ByZhu ZhengfengApproved  
byJiang HeSigned for and on behalf of  
检验检测专用章Shanghai Lelangtek Testing Technology Co., Ltd.(2<sup>nd</sup> Floor, Building 4, No.158, Jinfeng Road, Pudong, Shanghai)

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**Sample Photo(s)**

Lelangtek authenticated the photo on original report only

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## Test Result

### 1. Candle test

With reference to EN 15493:2019 Candles-Specification for fire safety, the submitted samples were subjected to the following tests:

Number of sample(s) tested: 3 pieces of container candle

Initial Observation: No visible defects was found on all tested samples

Test environment: Draft free environment, room temperature shall be:  $20 \pm 5$  °C.

Candle type (indoor use): Tea-light

#### 1). Sample description (Candles)

Test Sample	Description	Dimension (Diameter/length*width*height)	Total Weight (g)
A1	Tea-light	37.28mm.diameter × 15.40mm.height	13.8
A2		37.30mm.diameter × 15.20mm.height	13.6
A3		37.47 mm.diameter × 14.90mm.height	13.6

#### 2). Fire safety evaluation (#1&#2 was the data and phenomenon record)

Clause	Testing items	Requirements	Verdict
4.1	Stability	Not tip over on incline plane of 10°.	PASS
4.2	Secondary Ignition	No more than 10s.	PASS
4.3	Flame Height	The flame height for all candle types, except tea lights, shall not exceed 75 mm. The flame height for tea lights shall not exceed 30 mm.	PASS
4.4	Self-extinguish	4.4.1 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.	PASS
		4.4.2 To prevent the ignition or cracking of a	N/A

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Clause	Testing items	Requirements	Verdict
		supporting holder, non-freestanding candles marketed as self-extinguishing shall self-extinguish at a residual height of $\geq 12$ mm in case of candles with a diameter of $\leq 14$ mm and at a residual height of $\geq 18$ mm in case of other candles.	
4.5	Behaviour after extinguishing	Glow or smoke $\leq 30$ s and no spontaneous re-ignition after extinguishing.	PASS
4.6	Container candles	The container shall not crack or break at any time throughout the burning test.	PASS

Note: N/A=Not Applicable

#1. Burning test data record:

Test Sample	Flame height (mm)	Total burn time
A1	20.7	4 hours 28 min.
A2	21.1	4 hours 46 min.
A3	19.8	4 hours 39 min.

#2. The following phenomenon was observed during the tests.

- Self-extinguish of wicks were observed on sample
- Small flame height was observed during burning

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## 2. Product safety labels.

With reference to EN 15494:2019 Candles-Product safety labels, to assess the submitted label information.

Clause	Testing items	Result	Verdict
4	Product safety labels		
4.1	General	-	-
4.2	Layout of the product safety label	Meet	PASS
4.3	Layout of supplementary safety information	Meet	PASS
4.4	Display of a product safety label	Meet	PASS

Note:

(1) The safety label were provided, please see below for detail.



(2) The safety symbols height and format was not verified due to provided artwork information for assessed.

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### 3. Soot Release (Indoor candle)

Test Standard: BS EN 15426:2018 Candles -Specification for Sooting Behaviour

Number of sample(s) tested: 5 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 than 1.0/hour.

Tested Sample	A4	A5	A6
Original candle diameter (mm)	37.38	37.40	37.59
Original candle height (mm)	15.49	15.10	14.51
Net Candle weight (g)	12.5	12.4	12.3
Total measuring time, $t_m$ (hours)	4.6	4.7	4.8
Soot Index, $S_i$	0.25	0.13	0.38
Average soot index per hour, $S_{ih}$ ( $=S_i / t_m$ )	0.05	0.03	0.08
Average Soot Index from 3 samples	0.05		
Note: Acceptance criteria: < 1.0/hour			

\*\*\*\*\* End of Report\*\*\*\*\*

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