

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

Test Request	Conclusion
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
By

He hai ying

Checked
By

Zhu Zhengfeng

Approved
by



Jiang He

Signed for and on behalf of

Shanghai Lelangtek Testing Technology Co., Ltd. (2nd 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 ± 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 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 ≥ 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.	
4.5	Behaviour after extinguishing	Glow or smoke ≤ 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 assessed 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 Note: Acceptance criteria: < 1.0/hour	0.05		

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

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