

TEST REPORT

NUMBER: LTR220700169A

APPLICANT: Saint Killian Candle Company Ltd
Cahir Business Park
Cahir
Tipperary
Ireland
E21 XE70

DATE: 29th July 2022

For the attention of Karen Looby

SAMPLE DESCRIPTION: White Non-Scented Candle

SAMPLE RECEIVED: 15th July 2022

RETAILER: Not specified

REFERENCE / STYLE NO: Purchase Order Number: REF KAREN

TESTS REQUESTED: BS EN 15426: 2018 Candles – Specification for sooting behaviour

CONCLUSION: The assessment carried out indicated that the tested items **COMPLY** with the requirement of BS EN 15426.

The results relate to the samples tested and do not constitute any form of batch approval.

Tests marked (*) in this Test Report are not included in the UKAS Accreditation Schedule for this Laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation



GEORGE HALL
QHSE MANAGER

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BS EN 15426: 2018 Candles – Specification for sooting behaviour

1. Introduction

The purpose of the test is to observe the sooting behaviour of the candles under controlled conditions of use and to evaluate them using the test method BS EN 15426.

2. Assessment

2.1 Initial Observations

Description	Small, compressed conical-shaped unscented candle		
Colour of wax	White	Height	25 – 26 mm
Perfumed wax	No	Top diameter	30 mm
No. of wicks	1, 21 mm in length	Base diameter	16 mm
Wick position & type	Central (Ecrú cotton)	Mass of wax	9.0 – 9.3 grams

A total of 3 candles were burned during this assessment.

2.2 Burning observations

Each candle was allowed to burn inside a permeable wire mesh cylinder. All testing was conducted in a substantially draught-free room maintained at 15 – 25°C with burning periods as indicated below.

The wicks were not trimmed.

Characteristics of candle ^{a, b} (Type of candle)	Stabilizing period 1	Measuring period 1	Pause	Stabilizing period 2	Measuring period 2	Pause	Stabilizing period 3	Measuring period 3
Mass below 25 g (excluding container candles)	(5 ±1) min	Continuous burning to residual height of (10 ± 2) mm						
^a Mass without container ^b For non-freestanding candles see 9.3, footnote 4.								

Deviation from test procedure:

1. Testing was conducted in a substantially draught-free room to simulate real-life conditions.



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3. Results

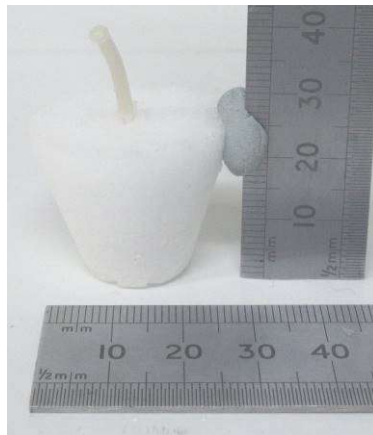
The results obtained are tabulated below.

Sample No.	Total burn time	Hourly soot index	Mean hourly soot index	Result
1	0.4 hours	0.0	0.0	Pass
2	0.4 hours	0.0		
3	0.46 hours	0.0		

Requirement

When tested in accordance with Clause 9, the average soot index per hour from 3 tests (samples) shall be less than 1.0/h.

Date of testing: 29th July 2022



END OF REPORT

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