

CANDLE SHACK

Candleshack Ltd, Unit A, West Carron Works,
Stenhouse Road, Carron, Stirlingshire, FK2 8DR

Date of Report: 31/12/24

Testing Period: 19/12/2024 - 30/21/2024

Customer Name:	William Dowey		
Brand Name	Ethereal Candle Company		
Contact Email	info@fulfilenterprises.co.uk		
Sample Ref	FST0138B	No. of Samples	3
Candle Name	Ethereal Relax & Relief Candle		
Description	150g Fragranced Soy Wax Candle		
Fragrance	Calming Chamomile	Content (if stated)	10.0%
Wax	Soy Wax		
Colour	White	Height	80mm
Wick Type	HTP (2 Fibers)	Top Diameter (ext)	70mm
Wick Positioning	Centred	Top Diameter (int)	64mm
Surface Defects	None	Base Diameter	65mm

TECHNICAL REPORT

SPECIFICATION FOR FIRE SAFETY

To evaluate the performance of a test set of candles in a controlled environment against the requirements of **BS EN 15493:2019** (Candles. Specification for fire safety)

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SPECIFICATION FOR FIRE SAFETY

Test Property	Test Method	Test Requirements	Result
Stability	EN 15493:2019 4.1 (Visual Check)	Candle should not tip over when placed on a 10° incline plane	PASS
Secondary Ignition	EN 15493:2019 4.2 (Visual Check)	No secondary ignition shall occur for more than 10 s	PASS
Flame Height	EN 15493:2019 4.3 (Measurement)	The flame height for all candle types, except for tea lights, shall not exceed 75mm. The flame height for tea lights shall not exceed 30mm	PASS Maximum: 45 mm
Behaviour after extinguishing	EN 15493:2019 4.5.1 (Visual Check)	After extinguishing the candle shall not spontaneously re-light	PASS
	EN 15493:2019 4.5.2 (Measurement)	The wick shall not continue to glow or smoke for an average time of more than 30 s after extinguishing	PASS Average: 9 s
Container Candles	EN 15493:2019 4.6 (Visual Check)	The container shall not crack or break at any time throughout the burning test	PASS

The room temperature during testing was 20±5°C

Wicks were not trimmed due to no instruction.

Candle Performance (240 ± 5 min cycles with >60min pause between cycles)

Sample Ref.	Gross Weight (g)	Total Wax Consumed (g)	*Total Burning Time (h)	Wax Consumption Rate (g/h)
FST0138B-1	302.2	120.8	28.0	4.31
FST0138B-2	305.9	136.0	28.0	4.86
FST0138B-3	306.7	109.6	28.0	3.91

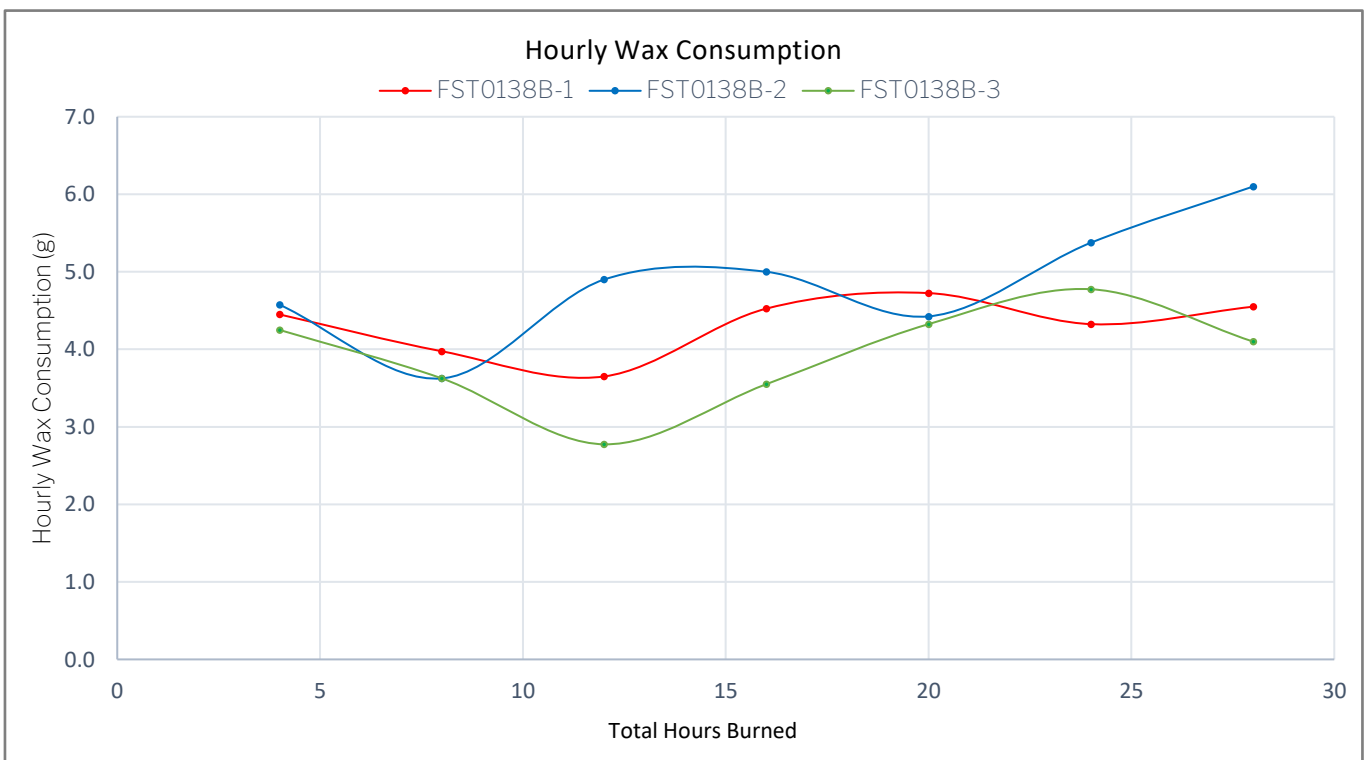
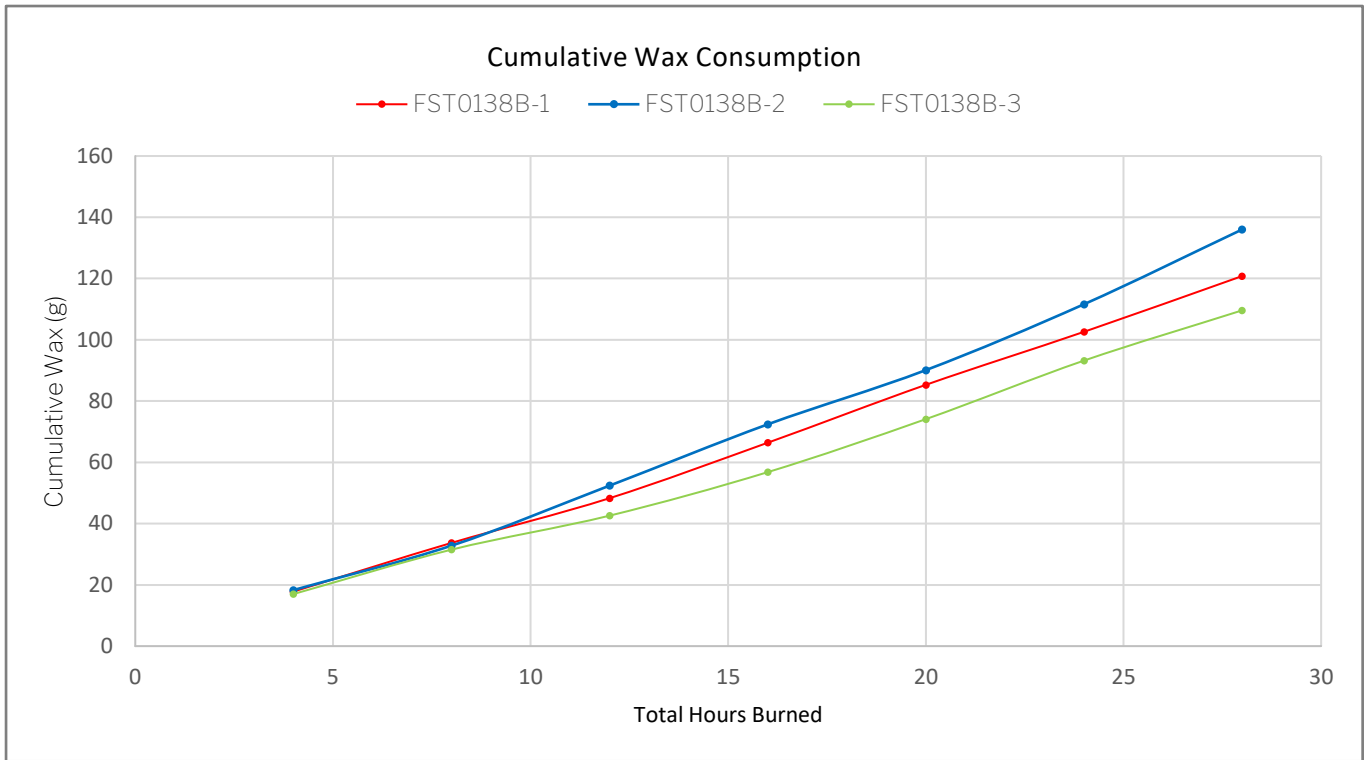
*If a candle self-extinguishes during the final burn cycle, the time of self-extinguishing is estimated.

Notes and Discussion:

Sample 2 bridged and the flame reached 45mm from 30mm this made the vessel extremely hot to the touch, though this has still passed the test. Sample 3 candle also bridged and the wick unstuck itself from the bottom of the vessel. (the bridging may be caused by starting the burn with a 1cm wick length)

CANDLE SHACK

CHARTS



CANDLE SHACK

IMAGE GALLERY



Packaging



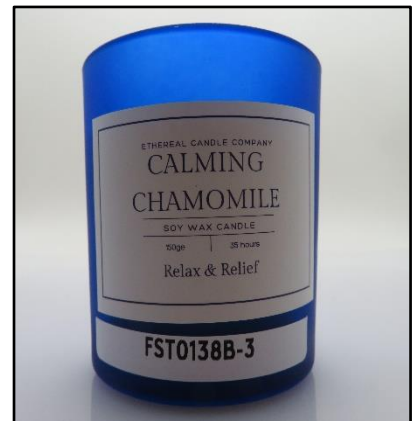
Instructions



Before Burn Front - Sample 1



Before Burn Front - Sample 2



Before Burn Front - Sample 3

CANDLE SHACK



Before Burn Top - Sample 1



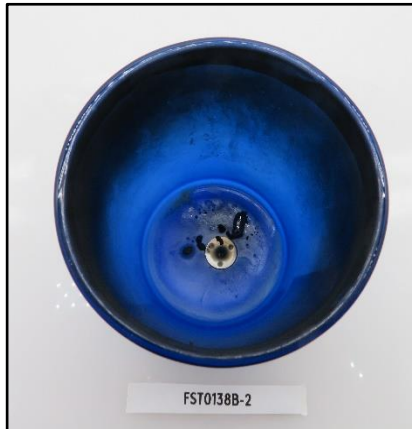
Before Burn Top - Sample 2



Before Burn Top - Sample 3



End of Burn Top - Sample 1



End of Burn Top - Sample 2



End of Burn Top - Sample 3

END OF REPORT

Zoe Campbell
Development Technologist

