

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 | FST0138A | No. of Samples | 3 |
| Candle Name | Ethereal Sleep Candle | | |
| Description | 150g Fragranced Soy Wax Candle | | |
| Fragrance | Sleepy Lavender | 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: 30 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: 12 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) |
|-------------|------------------|------------------------|-------------------------|----------------------------|
| FST0138A-1 | 305.7 | 132.1 | 28.0 | 4.72 |
| FST0138A-2 | 309.2 | 127.0 | 28.0 | 4.54 |
| FST0138A-3 | 308.2 | 121.8 | 28.0 | 4.35 |

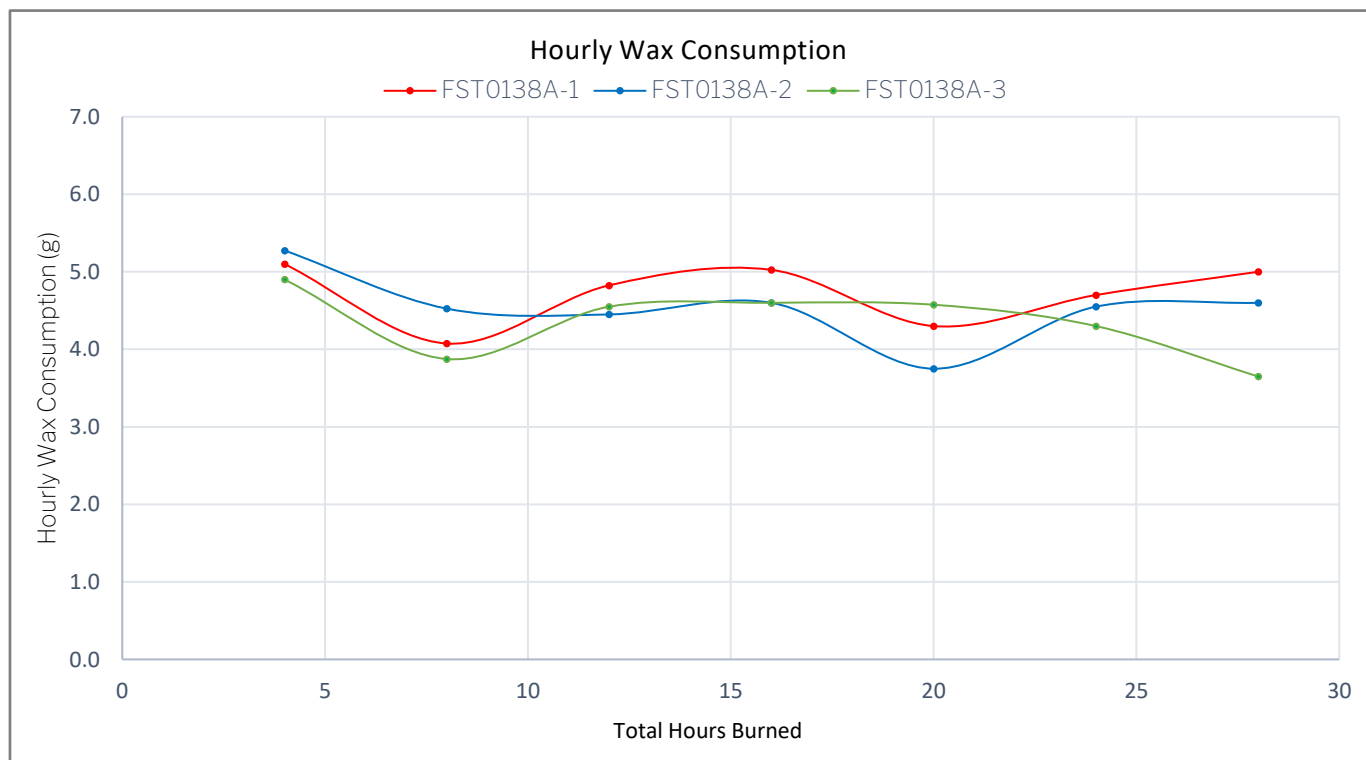
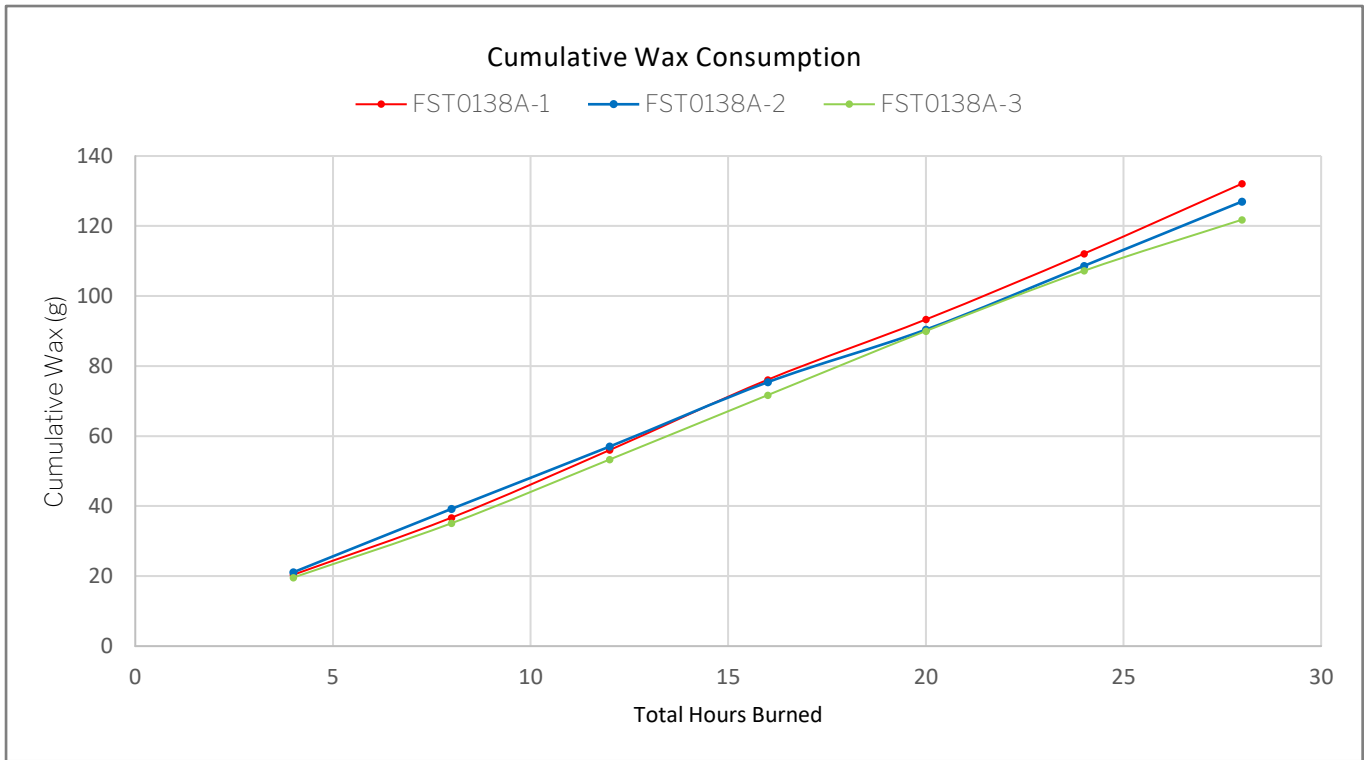
*If a candle self-extinguishes during the final burn cycle, the time of self-extinguishing is estimated.

Notes and Discussion:

Sample 2 and 3 the wick bridged but this still passed the test.

CANDLE SHACK

CHARTS



CANDLE SHACK

IMAGE GALLERY



Packaging



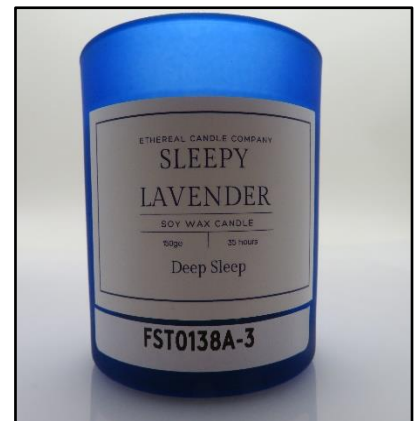
Instructions



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



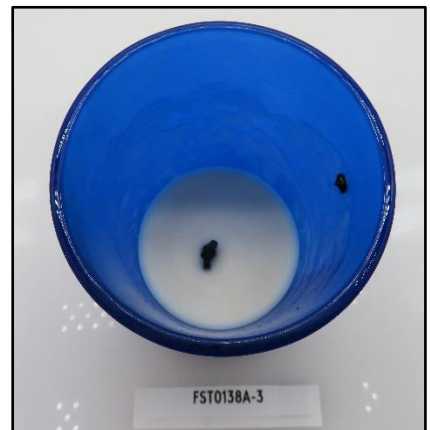
Before Burn Top - Sample 3



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

