



FRAG4441

FULL
TEST REPORT
COMING SOON

RECIPE - 30CL

SOLARIS BLANC IN 464 (NOW MADE IN EUROPE)

CANDLE SHACK

DESCRIPTION



INGREDIENTS FOR EACH CANDLE

1x 30cl Glass Jar
22g of Solaris Blanc Fragrance Oil
198g of Golden Wax 464 (Now Made In Europe)
1x CL14 Wick
1x 15mm Adhesive Wick Pad
1x Three Jar Wick Centering Tool

WAX

Made by global wax giant AAK in Sweden, Golden Wax 464 is an excellent soy container wax. It offers a powerful hot and cold scent throw, fantastic glass adhesion, smooth resets and is produced under rigorous ethical and environmental standards.

VESSEL

Our Lotti 30cl glass is manufactured in Italy and meets the highest standards of clarity and tolerance.
Height: 90mm
Diameter: 78mm
Internal height: 75mm

WICK

Crafted from unbleached cotton and interwoven with a linen thread, CL candle wicks are innovative flat wicks designed to minimise afterglow and smoking while maintaining rigidity. All wicks are 110mm long with a thin paraffin coating for stability.

USAGE RECOMMENDATIONS

- We recommend working at an ambient temperature of 18 to 25°C.
- We recommend heating 464 to 70°C to melt.
- Add the fragrance at 65-70°C and stir until homogeneous.
- The mixture is ready to pour at 60-70°C into jars at room temperature.
- If the top is uneven once set, you can flash the surface with a heat gun.
- Leave the candle to cure for at least 2 days at 18 to 25°C for consistent results.

DISCLAIMER

Each report shows test results for a set of candles made by Candle Shack's R&D team for that particular recipe. The test reports are not a guarantee that all candles made to the recipe will burn in exactly the same way. Variables such as ambient temperature, air flow, or the manufacturing process can affect the burning profile of a candle, so it is recommended that candle makers conduct their own testing to ensure that they are satisfied with the performance of their product.

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Candle Shack Ltd, Unit A, West Carron Works,
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Technical report on a test set of candles made in Candle Shack R&D department for sooting behaviour testing.

Date of Report: 13/12/23

Testing Period: 11/12/23 - 12/12/23

Sample Ref	RCP0170M-2	No. of Samples	3
Candle Name	30cl Solaris Blanc Candle, 10% in Soy Wax		
Description	220g Soy Wax Fragranced Candle		
Fragrance	Solaris Blanc	Weight per candle	22g
Wax	GW464 (Now Made in Europe)	Weight per candle	198g
Colour	Off White	Height	92mm
Wick Type	CL14	Top Diameter (ext)	82mm
Wick Positioning	Centred	Top Diameter (int)	76mm
Surface Defects	None	Base Diameter	76mm

TECHNICAL REPORT

Part 1: SPECIFICATION FOR SOOTING BEHAVIOUR

To evaluate the performance of a test set of candles in a controlled environment against the requirements of BS EN 15426:2018 (Candles. Specification for sooting behaviour)



CANDLE SHACK

Part 1: SPECIFICATION FOR SOOTING BEHAVIOUR

Requirement

When tested in accordance with clause 9 of EN 15426:2018, the average soot index per hour from three tests (samples) shall be less than 1.0/h

The room temperature during testing was 20±5°C

Wicks were trimmed to 5mm before lighting.

Cycles: 3 x 240 ± 5 min cycles with >60min pause between cycles)

Soot testing was performed in wire mesh cylinder Type 2 (Diameter: 300 ± 10 mm)

Sample Ref.	Total burn time t_m (h)	Hourly soot index S_{1h}	Average soot index per hour S_{1h}	Result
RCP0170M-2.1	12.00	0.11	0.58	PASS
RCP0170M-2.2	12.00	1.36		
RCP0170M-2.3	12.00	0.27		

Notes and Discussion:



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END OF REPORT



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