



CANDLEMAKERS ADVICE PACK

Joint advice from Trading Standards
and the British Candlemakers Federation

The British
Candlemakers
Federation

www.rbwm.gov.uk



TRADING STANDARDS
SERVICE

Sample Candle Burn Test Report

In accordance with BS EN 15493:2019

Date of test:	Sample Number:	1 / 2 / 3 of 3	
Item/style number:	Batch Code:		
Candle size & weight:	Container Type:		
Fragrance:	Colour:		
Embedded materials:	Decoration:		
Holder:	Sample temperature:	Max:	Min:
	Room temperature:	Max:	Min:
Burn Start Time:	Burn End Time:		
Pause 1:	Pause 2:		
Burn test cycle:	Tester:		

Conduct of test: The provided candleholder will be used if available. If the sample is a self-extinguishing freestanding candle - the sample will be placed on white copy paper. Surface to be non-flammable and heat resistant. Suitable separation distances to be observed. External factors to be minimised. Draughts to be excluded. Wick will be trimmed to pre-determined target level and set upright. Wick will be trimmed again before relighting after pauses. Target sample start temperature and room temperature shall be 20 +/- 5 °C. BS EN 15426:2018 sooting behaviour is not included in this report, nor is labelling compliance. This test sheet is not to be used for floating candles.

Test Item	Data	Pass/Fail	Notes
Stability test at 10° incline			
Candle position 1			
Candle position 2 (rotated X°)			
Flame stability observation			
Five minutes after ignition			
Time Period 1			
Time Period 2			
Prior to Extinguishing			
Reference Candle used	YES / NO		
Flame Height (mm)			
Initial ignition			
Time Period 1			
Time Period 2			
Time Period 3			
Time Period 4			
Time Period 5			
Time Period 6			

Test Item

Data Pass/Fail Notes

Flame Height (mm)

Prior to Extinguishing
Secondary ignition (seconds)
Visible sooting
Carbon cap ('mushrooming')

Shooting Observation

Clean/blackened
Excessive quantity

Performance

Hourly Fuel Consumption (g/h)
Candle surface temperature
Candle surface temperature

		Note time and temperature (°c)
		Note time and temperature (°c)

Molten Wax Pool

Carbon deposits
Tunnelling
Excessive pooling

Extinguishing

Aftersmoke time (seconds)
Glow/ember stop time
Re-ignition
Container integrity (i.e. cracks)
Height of candle at end
Self-extinguishing
Paper burn or scorching

Defects Noted

Before test

During test

After test

Test Result & Conclusion

Noted deviations from BS EN 15493:2019 methods