HALABAN CHARCOAL
BURNING TEST SUMMARY (EXPORT BUYER)

Product: Halaban Wood Charcoal (Vitex pinnata)
Application: BBQ | Shisha Briquette Raw Material | Industrial Fuel

A. Thermal Performance & Temperature		
Parameter	**Result**	**Unit**
Average Stable Burning Temperature	700 – 750	°C
Peak Temperature (Short Duration)	800 – 900	°C
Initial Ignition Temperature	250 – 400	°C
Heat Stability	92 – 95	%

B. Heat Distribution & Efficiency		
Temperature Zone	**Time Distribution**	**Remarks**
Below 400 °C	10 – 15 %	Ignition phase
400 – 600 °C	15 – 20 %	Transition
600 – 800 °C (Optimal)	55 – 65 %	Main burning
Above 800 °C	5 – 10 %	Peak heat
Effective Heat Utilization	70 – 75 %	High efficiency

C. Burning Duration & Heat Retention		
Parameter	**Result**	**Remarks**
Total Burning Time	90 – 150 minutes	Depends on lump size
Stable High-Heat Phase	65 – 75 %	Main usable heat
Cooling / Burnout Phase	17 – 25 %	End phase

D. Combustion Quality		
Parameter	**Result**	**Buyer Assessment**
Combustion Efficiency	85 – 90 %	High fuel efficiency
Smoke Emission	Low	Food-safe use
Odor	Neutral	Export compliant
Spark / Crack	Minimal	Safe handling

E. Residue & Structural Performance		
Parameter	**Result**	**Remarks**
Ash Content	2 – 5 %	Low ash
Ash Color	Light grey	Clean residue
Lump Structural Stability	High	Not easily broken
Breakage During Burning	< 10 %	Excellent integrity

Disclaimer: Results are based on standard burning tests under natural airflow conditions. Actual performance may vary depending on charcoal size, moisture content, and combustion environment.