



Kuniokoa Cookstove Water Boiling and Safety Test Results

Stove Manufacturer	BURN
Stove Model	Kuniokoa

Water Boiling Test

Testing Center	UW Clean Cookstove Lab
Test Protocol	Water Boiling Test - Version 4.2.3
Fuel Used	Douglas Fir Sticks
Pot Used	5 Liter - Aluminum
Test Dates	March 2017

IWA PERFORMANCE TIERS	units	Average	St Dev	COV	Tier
High Power Thermal Efficiency	%	40.44%	1.13%	N/A	3
Low Power Specific Fuel Consumption	MJ/(min·L)	0.0286	9.7e-04	N/A	2
High Power CO	g/MJ	1.85	0.11	N/A	4
Low Power CO	g/(min·L)	0.0334	1.6e-03	N/A	4
High Power PM	mg/MJ	124.51	32.36	N/A	3
Low Power PM	mg/(min·L)	1.14	0.27	N/A	3
Indoor CO Emissions	g/min	0.145	8.1e-03	N/A	4
Indoor PM Emissions	mg/min	9.66	2.44	N/A	2

Safety Test

Testing Center	GERES Biomass Energy Laboratory (G-BEL), Institute of Technology Cambodia (ITC), Phnom Penh, Cambodia
Test Protocol	Biomass Stove Safety Protocol (BSSP) v1.1
Fuel Used	Average Cambodian Hardwood
Test Dates	November 2017

Test	Overall Point Score	Overall Rating (Poor, Fair, Good, Best)
Safety	91 out of 100	Good