

3G Small Cookstove Water Boiling and Safety Test Results

Stove Manufacturer	Solar Serve (Vietnam)
Stove Model	3G Small

Water Boiling Test

Testing Center	RENMI, LAO PDR
Test Protocol	Water Boiling Test - Version 4.2.3
Fuel Used	Natural wood (Mai bok)
Pot Used	5 Liter - Aluminum
Test Dates	March 2016

IWA PERFORMANCE TIERS	units	Average	St Dev	COV	Tier
High Power Thermal Efficiency	%	32	n/a	n/a	2
Low Power Specific Fuel Consumption	MJ/(min·L)	0.036	n/a	n/a	2
High Power CO	g/MJ	5.12	n/a	n/a	4
Low Power CO	g/(min·L)	0.098	n/a	n/a	3
High Power PM	mg/MJ	107	n/a	n/a	3
Low Power PM	mg/(min·L)	0.390	n/a	n/a	4
Indoor CO Emissions	g/min	0.417	n/a	n/a	4
Indoor PM Emissions	mg/min	8.438	n/a	n/a	2

n/a = not available from the reports assessed by The Stove Auction

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	July 2016

Test	Overall Point Score	Overall Rating (Poor, Fair, Good, Best)
Safety	89.5 out of 100	Good