

## 3G Small Cookstove Controlled Cooking Test Results – Cambodia

Stove Manufacturer	Solar Serve (Vietnam)
Stove Model	3G Small
Testing Organisation	SNV Netherlands Development Organisation
Testing Location	The Stove Auction Warehouse, Phnom Penh, Cambodia
Test Protocol	Controlled Cooking Test (CCT) protocol version 2.0
Fuel Used	Average Cambodian Hardwood
Pot Used	Commonly used aluminum pots and pans
Number of Cooks	Three
Number of Dishes per Test	Three (Fried beef with ginger, Pork soup with zucchini, White rice)
Number of Tests per Stove	Nine
Test Dates	1-3 June 2016

### Controlled Cooking Test

Specific Fuel Consumption (grams of fuel per kg of food consumed)					
Stove Model	Fuel Size	Total Mean (g/kg)	Total St Dev (g/kg)	Total CoV	FUEL SAVINGS vs TLS
3G Small	Large	95	8	9%	18.4%
Traditional Lao Stove*	Large	117	15	13%	0%

\* The most prominent baseline stove in Cambodia for wood is the Traditional Lao Stove (TLS) (~60% of wood users) based on a 2,100 household solid biomass fuel use survey commissioned by SNV in 2014. Therefore all stoves tested have been compared to the TLS in the summary table to determine fuel savings.

### Fuel Size

Fuel Size	Mean Weight per piece (g)	Mean Length per piece (cm)	Mean Width per piece (cm)	Mean Height per piece (cm)	Mean Diameter per piece (cm) (D=LxWxH)	Mean Moisture Content (%)
Large	166.33	37.3	3.3	2.0	242.3	12.97