

July 15, 2013



DEPARTMENT OF
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COLORADO STATE UNIVERSITY

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Emissions and Performance Report

The stove listed below has been tested in accordance with the “*Emissions and Performance Test Protocol*”, with emissions measurements based on the biomass stove testing protocol developed by Colorado State University (available at www.eecl.colostate.edu). Percent improvements are calculated from three-stone fire performance data collected at Colorado State University. These results are based on 3 test replicates.

Stove Manufacturer:	Manu Electricals
Stove Model:	PCS-1
Test Dates:	03/29/2013 -04/01/2013
Average Fuel use (grams):	382.2
80% Confidence Interval:	378 - 386
Average Thermal efficiency:	36.5
80% Confidence Interval:	34.6 – 38.4

The above results are certified by the Engines and Energy Conversion Laboratory at Colorado State University. All claims beyond the above data are the responsibility of the manufacturer.

A handwritten signature in black ink, appearing to read "Morgan DeFoort". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Morgan DeFoort
EECL Co-Director
Technical Lead, Biomass Stoves Testing Program
