TEST CERTIFICATE FOR SSM C28-12

In compliance with WBT 4.2.3 Protocol Including fuel use and emissions

REPORT NO. B/TR/2022/043

Cookstove name	**SSM Charcoal stove**
Brand Name	**C28-12**
Number of Samples	One (1)
Sampling	N/A
Assigned Laboratory code	**2022/B056**
Manufacture stove code	**N. A**
Date of sample Receipt	August 2022
Testing dates	September 2022
Fuel Used	Charcoal
Testing Center	**Centre for Research in Energy and Energy Conservation (CREEC),** *Located at: College of Engineering, Design, Art and Technology (CEDAT) Makerere University P. O. Box 7062, Kampala, Uganda.* E-mail: info@creec.or.ug, Website: www.creec.or.ug, Tel: (+256) 41 4532008
Test environment conditions:	Ambient temperature: 24^{0}C
	Humidity: 55-60%
	Wind speed: No wind

CENTRE FOR RESEARCH IN ENERGY AND ENERGY CONSERVATION
07 Sep 2022
CEDAT
MAKERERE UNIVERSITY

Prepared for

ZHEJIANG HUIWENMEI STOVE CO., LTD.
DONGXI BRIDGE, GANLIN TOWN, SHENGZHOU,
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http://ssmstoves.com, http://ssmstove.com

Prepared by:	Reviewed by:	Approved By:
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Laboratory Technician	Laboratory Technician	Head of Laboratory

SSM C28-12 PERFOMANCE RESULTS.

These results were obtained in accordance with the IWA and the Clean Cooking Alliance (CCA)' reporting requirements

Table 1. Thermal Perfomance and Emissions of the **Kuniokoa G3 Burn stove**

Test items		Units	Average	STDeV	Sub-Tier	Tier
Thermal Perfomance	High Power Thermal efficiency, η_c	%	**45.0**	0.008	4	**4**
	Low Power Specific Consumption Rate	MJ/min/L	**0.007**	0.0002	4	
Emissions	High Power CO	g/MJd	9.739	0.890	2	**2**
	Low power CO	g/min/L	0.044	0.002	4	
	High Power $PM_{2.5}$	mg/MJd	66.074	7.769	3	
	Low Power $PM_{2.5}$	mg/min/L	0.320	0.061	4	
Indoor Emissions	CO	g/min	0.694	0.030	1	**1**
	PM	mg/min	4.479	0.864	3	

Note: The results in the report relate only to the sample tested

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