

Flue gas emission, power output and efficiency test

To comply with standard AS/NZS 4012:2014 and AS/NZS 4013:2014

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This accreditation does not extend to any opinions or any interpretations of test results contained in this report.

Test Report: W0102

Issue Date: 28/06/2016

Subject:

Sample description: Free standing wood burner

Make: Southern Series

Model: Cardrona Cooker

Standard Specification and scope:

1. AS/NZS 4012:2014 Domestic solid fuel burning appliances-Method for determination of power output and efficiency
2. AS/NZS 4013:2014 Domestic solid fuel burning appliances-Method for determination of flue gas emission

Content

The sample was tested as per the above instructions.

Summary

Efficiency and power was calculated using the loss-stack method in addition to taking into the consideration appliance & flue set-up, test fuel, preparation, fuel loading, burn rates & cycles, data recording intervals, wetback calculations and reporting of the results as stated in AS/NZS 4012:2014.

The solid fuel heater complied with the standard AS/NZS 4013:2014

Overall efficiency (%)	72
Space heating efficiency (%)	72
Water heating efficiency (%)	n/a
Emissions rate (g/kg dry weight)	1.76
Emission rate mg/MJ	116

More detailed test results are shown on page five to eight in the full test report

Testing Completed 23/06/2016



Authorized Signatory



Tested by Oystein Kalas