



All tests reported herein have been performed in accordance with the laboratory's scope of accreditation

Efficiency & Emissions Test Certificate

Customer.	Pioneer Manufacturing Ltd.
Certification Date.	05/04/2019.
Appliance.	Metro – Ultra Insert.
Tested Standard.	AS/NZS 4012:2014 + A1. AS/NZS 4013:2014.
Test Fuel.	Soft Wood (Pinus Radiata).
Configuration.	Free Standing/ Inbuilt.
Thermal Efficiency.	65.9 %.
Emissions Rate.	0.42 g/kg or 32.3 mg/MJ.

The specimen tested was identified by Spectrum with the marking #0527.

The milligram per mega joule calculation was made in accordance with The Canterbury Air Regional Plan (CARP).

REPORT DETAILS:

Prepared by.	Mr. P. Chen.
Approved by.	Mr. P. Sparrow.
Report Reference.	#0527.
Release Date.	05/04/2019.

Spectrum Laboratories Ltd is accredited by International Accreditation New Zealand (formerly Telarc). The results reported in the referenced test report were performed in accordance with the terms of the laboratories accreditation. This accreditation does not extend to opinions or any interpretation of the test results contained in the report.