

**U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)
 CERTIFICATION OF CONFORMITY
 PURSUANT TO 40 CFR PART 60 SUBPARTS AAA AND QQQQ
 2015 STANDARDS OF PERFORMANCE FOR NEW RESIDENTIAL WOOD HEATERS, NEW
 RESIDENTIAL HYDRONIC HEATERS AND FORCED-AIR FURNACES**

Disclaimer: The statutory provisions and the EPA regulations described in this document contain legally binding requirements. This document is not a substitute for those provisions or regulations, nor is it a regulation itself. In the event of a discrepancy, please refer to 40 CFR PART 60 Subparts AAA AND QQQQ, Sections 60.533(b) and 60.5475(b). This document may be revised periodically without public notice. If you have additional questions, please contact Rafael Sanchez at 202-564-7028 or via email at sanchez.rafael@epa.gov.

GENERAL INFORMATION

Manufacturer's Name: AICO SPA (Ravelli)

Heater Type (Circle One):	Adjustable Burn Rate Wood Heater	Pellet Stove	Single Burn Rate Heater	Hydronic Heater	Forced Air Furnace	Other:
Hydronic Heater Type (Circle One):	Traditional	Full Storage	Partial Storage	Indoor/Outdoor	Other:	
Forced-Air Furnace Type (Circle One):	Small (less than 65,000 BTU/hr heat output)		Large (greater than 65,000 BTU/hr heat output)		Other:	
Fuel Type:	Crib	Pellet	Cordwood	Other:		

Model Name and Number:

- **Francesca 2015**
- **RV80 CERAMICA**
- **NICOLE**

Catalyst: No

Mailing Address: Via Consorzio Agrario, 3/D

Street Address: Via Consorzio Agrario, 3/D

City: Chiari (BS)	State: Italy	ZIP Code: 25032
Phone: +39 030 7402939	Fax: N/A	Web Site: http://usa.ravelligroup.it/

Address of Manufacturing Facility: Via Consorzio Agrario, 3/D Chiari, Italy

City: Chiari (BS)	State: Italy	ZIP Code: 25032
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EPA APPROVED THIRD PARTY CERTIFIER

Authorized Representative: Aaron Reesor

Company: CSA Group

Phone: 416 747-2652	E-mail: aaron.reesor@csagroup.org	Fax: N/A
City: Toronto	State: Ontario, Canada	ZIP Code: M9W 1R3

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Position: Ceritifer – Fuels Group

Report Number: Polytest Test Report: PI-20265	Date of Tests: January 17th 2022	Date of Report: REPORT DATE: January 31st 2022 Revision 1: May 18th 2022 Revision2: October 4th 2022
Quality Assurance Plan included?: Yes	Wood Heater /Hydronic Heater /Forced-Air Furnace Application Included: NO	Remarks: N/A

Affected Source Data Summary

Wood Burning Heater	Hydronic Heater	Forced-Air Furnace
Weighted particulate emission average of 1 test runs: 1.00 grams per hour	Maximum Output Rating: _____ Weighted particulate emission average: X Lb/MMbtu output	Particulate emission average: X Lb/MMbtu output
Weighted average HHV efficiency of 1 test runs: 80.73%	Annual Efficiency Rating: _____	Overall thermal efficiency (HHV): X%
	Particle Emissions: _____	Overall Delivered Heat Efficiency: X%

AFFIRMATIONS

- **The above-named affected source has been tested by a laboratory qualified to test and report on the emissions of this type of product under 40 CFR Part 60, Standards of Performance for New Residential Wood Heaters, New Residential Hydronic Heaters and Forced-Air Furnaces (2015 Standards).**
- **The Test Report No. PI-20265, prepared by Danick Power and dated January 31st 2022, has been reviewed by Aaron Reesor and was found to be complete and to have used the correct procedures in accordance to the 2015 NSPS Standards.**
- **The emissions levels measured in the Test Report and listed above comply with the relevant particulate matter limits established by the 2015 NSPS Standards.**
- **The model listed above was tested to Particulate emissions: ASTM E2779-10 (section 9.4.1 integrate test run); ASTM E2515-11 as referred into 40 CFR Part 60 Subpart AAA, CSAB415.1-10 (for efficiency only)**
- **The permanent label and owner's manual meets the requirements of 40 CFR § 60.536 and/or § 60.5478.**
- **The above-named manufacturer, on the effective date of this certificate, was operating under a quality assurance plan, per 40 CFR § 60.533(m) and/or § 60.5475(m), that has been reviewed and approved by Aaron Reesor.**
- **The above-named manufacturer has contracted CSA Group to conduct regular (at least annual) unannounced audits of the manufacturing facility, affected source, and quality assurance plan pursuant to 40 CFR § 60.533(m) and/or § 60.5475(m).**

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Aaron Reesor – CSA Group – Certifier – Fuels Group
Print Name and Title


Signature of Authorized Third-Party Representative

Oct 4th, 2022
Date

This is a certification of conformity to certify that the bearer has successfully completed the requirements pursuant to the 2015 NSPS Standards.

Third-party EPA approval expiration date: October 2027

V1

Remarks:

- **Revision 1 May 18th 2022:**
 - **Appendix 3 updated to include fuel analysis**
 - **Page 12/284 Clarification about the blower is automatic.**
 - **Appendix 13 updated to include Manufacturer's provided Operating instruction**
 - **All thermocouple ISO 17025 calibration can already be found in appendix 3**
- **Revision 2 October 4th 2022:**
 - **Appendix 1 updated to include PM emissions in g/hr with negative weights both corrected to zero and uncorrected for run.**
 - **Manual updated appendix 7 to include replacement parts and the required statement for**
 - **non-catalytic models all sections are highlighted in the manual.**