



# Descriptive Report and Test Results

MASTER CONTRACT: 0000273419

REPORT: 80061653

PROJECT: 80192146

## EDITION

Edition	Issued On	Project	Location	Prepared By	Authorized By
Edition 1	December 23, 2020	80061653	Guangzhou	Vincent Ou	Ron Qian
Edition 2	December 05, 2023	80192146	China Guangzhou	Lester Lin	Lester Lin

## CONTENTS

Certificate of Compliance + Supplement - Page 1 to 5

Description and Tests - Page 1 to 8

## PRODUCTS

C271104 DOMESTIC GAS COOKING APPLIANCES - Outdoor

C271184 DOMESTIC GAS COOKING APPLIANCES - Outdoor - Certified to US Standards

For Use With Propane Gas

### Outdoor Gas Cooking Appliances

Minsheng

Models	Input Rating (BTU/HR)
G21-210A	2@10,000

BBQTEK

Models	Input Rating (BTU/HR)
WGQ1615	2@10,000

---

This report shall not be reproduced, except in full, without the approval of CSA Group.

No. 10 Ke Yan Road, Guangzhou Science Park, Luo Gang District, Guangzhou, China

Telephone: 86-20-87320648 Fax: 86-20-87320306

RW FLAME, Kismile, Joy Pebble

Models	Input Rating (BTU/HR)
G8421-BLACK	2@10,000

**CONDITIONS OF ACCEPTABILITY**

**APPLICABLE REQUIREMENTS**

Standards Used	Description
ANSI Z21.58-2018 • CSA 1.6-2018	Outdoor cooking gas appliances - Fifth Edition

**MARKINGS**

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

All markings in compliance with the applicable requirements are found on descriptive drawing figure No. 2. The specifications of the marking system as follows: Rating plate is Class IIIA-2 by Zhongshan Zhantu Printing Co., Ltd. With the maximum temperature 150C (302F) when affixed to aluminum, galvanized steel, stainless steel, acrylic paint, epoxy paint and porcelain.

**ALTERATIONS**

Project 80061653:

- I The orifice size is reduced from 0.94 to 0.92mm dia., which will slightly reduce the input rating, to pass Clause 5.5 Combustion test. See figure no.1 page no.43 for detail.

Project 80192146:

- I None

**FACTORY TESTS**

The submitter shall ensure that the following factory tests are conducted in at the frequency specified and the results are documented and made available for review by CSA field services representatives:

<u>Test</u>	<u>Frequency</u>
Test Fire Burner, Manifold & Control Assy. – Proper Operation Pass/Fail Criteria: Valve shall turn freely The burner flames shall carryover and burn at all ports	100%
Manifold and Control Assembly – Gas Tightness Pass/Fail Criteria: No leakage shall be observed	100%
Burner Operating Characteristics Pass/Fail Criteria: The burner shall light without delay The burner flames shall carryover and burn at all ports Flames shall not flash outside the enclosure The burner shall not flash back Ignition and extinction shall occur without undo noise There shall be no backpressure at the burner mixer face No carbon deposited.	1/500, not less than 1 per
Combustion Pass/Fail Criteria: Carbon monoxide levels in an air-free sample shall not exceed 0.08%	1/500 or 1 per week
Handle Temperatures Pass/Fail Criteria: Temperatures shall not exceed 131°F for bare or painted metal, 139 °F for Porcelain Enamel, 149°F for Glass, 167°F for Wood or Plastic. Note: Maximum allowable temperatures are based on a 77°F room temperature.	1/500 or 1 per week
Ignition Systems Pass/Fail Criteria: The main burners shall be capable of match lighting in accordance with instructions Ignition devices shall light the burners within 4 seconds of gas flow	1/500 or 1 per week

**SPECIAL INSTRUCTIONS FOR FIELD SERVICES**

1. Component descriptions marked with either the "(INT)" or "(INT\*)" identifiers may be substituted with other components providing the requirements specified under the notes in the "Description" are complied with.
2. Not applicable.

**MASTER CONTRACT:** 0000273419

**REPORT:** 80061653

**PROJECT:** 80192146

**Page No:** 4

**Date Issued:** December 05, 2023

---

## COMPONENT SPECIAL PICKUP

1. Component descriptions marked with the identifier "(CT)" are subject to annual pickup and Conformity Testing.
2. Not applicable.

## DESCRIPTION

Notes:

1. Component Substitution
  - a) Critical components (those identified by mfr name, cat no), which are NOT identified with either "INT" or "INT\*" are not eligible for substitution without evaluation and report updating
  - b) The term "INT" means a "Certified" and/or "Listed" (or a "Recognized" and/or "Accepted") component may be replaced by one "Certified" and/or "Listed" by another certification organization accredited by the appropriate accreditation body or scheme requirements to the correct standard, for the same application; providing the applicable country identifiers are included and requirements in item "d" below are complied with.
  - c) The Term "(INT\*)" means a "Recognized" and/or "Accepted" component may be replaced by a component that is CSA Certified. The applicable country identifiers shall be included, the requirements in item "d" below as well as any "conditions of suitability" for the component (as recorded in this descriptive report) shall be complied with;
  - d) Components which have been substituted, must be of an equivalent rating, configuration (size, orientation, mounting) and the applicable minimum creepage and clearance distances are to be maintained from live parts to bonded metal parts and secondary parts.
  - e) Substitution of a "Certified" and/or "Listed" component with a component that is "Recognized" or "Accepted" is not permitted without evaluation and report updating.
  - f) Substitution of a "Recognized" and/or "Accepted" component by one that is not CSA Certified is not permitted without a proper evaluation as well as a report update because the Conditions of Acceptance of the original component may be different than the Conditions of Acceptance of the substitute component.

Models WGQ11615, G21-210A, G8421-BLACK  
Outdoor BBQ grill with 2 straight stainless steel tube main burner at 10,000Btu/hr input rating, has cart with 3 sides completely open and 2 wheels.

### Clearances to Combustible Material

Sides	50 inches
Rear	50 inches
Top	Unobstructed
Floor	Combustible

### Gas Pressures

	LP/Propane Gas
Manifold Pressure	11.0 in. W.C.
Minimum Inlet Pressure	11.0 in. W.C.

Self-Contained LP System uses a 20 lb LP cylinder constructed and marked in accordance with specifications of U.S. Department of Transportation (DOT). A high-pressure regulator is employed at the outlet of the LP cylinder.

### Orifice Sizes

Main Burners (LP)	
Orifice Size	Low flow orifice size (4,500 btu/hr)

MASTER CONTRACT: 0000273419  
REPORT: 80061653  
PROJECT: 80192146

Page No: 6  
Date Issued: December 05, 2023

0.92mm	0.70mm
--------	--------

**GAS CONTROL ASSEMBLIES**

TYPE OF CONTROL	MFR. OF CONTROL	MFR. MODEL NUMBER	<u>SIZE OF CONTROL</u>	
			NATURAL	LP/PROPANE
Regulator Hose Assembly	Dong Guan Abyda	KR101 (CSA 1863247)		X
	Laifu	ZQA01 (CSA 70013845)		X
	(180 degrees between QCC and regulator, L=508mm, QCC connector)			
Main Burner Valve	Zhongshan FRD	FN30 (CSA 70108069)		
Igniter	Foshan Yiqiang	YQ610-2A (CSA 1767610)		
Electrode	Dongguan Ruichang	RZ-112 (CSA 2621818)		
	Yangzhou Huaming	A (CSA 70155816)		
Ignition Wire	Jiangsu Haosi	3071/3122 (UL E357991) (INT)		
	Jiangsu Naian	3071/3122 (UL E217633) (INT)		
	Jiangsu Anshen	3071/3122 (UL E333030) (INT)		
Marking	Zhongshan Zhantu	zt-2 (CSA 70132823)		
	Guangdong Tianyue	TY50A-150 (CSA 70044611)		

**INDEX**

**PAGE NO. OR  
FIGURE NO.**

**DESCRIPTION**

**Project 80061653**

01	Drawings of model WGQ1615 (total 54 pages)
02	WGQ1615 markings-EN&FR
03	WGQ1615 instruction manual-EN
04	WGQ1615 instruction manual-FR

**Project 80192146**

05	Guarantee Letter
----	------------------

## TEST HISTORY

### Project 80061653

The following tests were conducted in:  
CCIC-CSA International Certification Co., Ltd.  
No. 10, Ke Yan Road  
Science Park  
Guangzhou 510663  
China

Test data for this project is stored in Sharepoint

This project is original certification to BBQ grill model WGQ1615.  
It's a gas grill with 2 main burners only, with lid and cart, using 20lb propane cylinder as fuel supply.  
A sample of WGQ1615 is required for below tests and satisfactory result was found:

ANSI Z21.58-2018/CSA 1.6-2018 Outdoor Cooking Gas Appliances

Clause 4. Construction

Clause 5. Performance

- 5.1 General
- 5.2 Test Gases
- 5.3 Test Pressures and Burner Adjustments.
- 5.4 Burner Capacities
- 5.5 Combustion
- 5.6 Burner Operating Characteristics
- 5.7 Main Burner Placement and Integrity
- 5.8 Ignition
- 5.9 Performance of LP-Gas Cylinder Connection Devices – Waived, use certified type
- 5.10 Manual Gas Valves – Waived. Used certified type.
- 5.11 Automatic Valves – DNA, not used
- 5.12 Gas Pressure Regulators – Not applicable. Used certified type.
- 5.13 Thermostats – DNA, not used
- 5.14 Dual Cylinder Manifold – DNA, not used
- 5.15 Orifice and Orifice Fittings
- 5.16 Temperatures of Gas-Carrying Components
- 5.17 Drip Tray Temperature
- 5.18 Broiler Performance – Not applicable. Burner ports protected.
- 5.19 Outdoor Cooking Gas Appliance Structure.
- 5.20 Evaluation of Burn Hazard Potential of Exterior Surface of Oven Section – DNA, no oven
- 5.21 Temperatures of Handles And Knobs
- 5.22 Wall and Floor Temperatures
- 5.23 Rain Test
- 5.24 Nonmetallic Panels – DNA, not used
- 5.25 Wind Tests
- 5.26 Marking Material Adhesion and Legibility – Waived, used certified type.

**MASTER CONTRACT:** 0000273419

**REPORT:** 80061653

**PROJECT:** 80192146

**Page No:** 8

**Date Issued:** December 05, 2023

---

Clause 6. Manufacturing and production tests – Provided and viewed

Construction Review:

Construction review performed with satisfactory results.

Project 80192146 (Ed. 2)

Update report No. 80061653 to add model G21-210A and G8421-BLACK, which are same as existing model WGQ1615 except the model name and trade name. No test is required.

---End of Report---