CARB CERTIFICATION



TEST NO. 24-005-1B

Test Report - Ozone Emissions - High Flow Rate

CSA Group - C22.2 No.187-20 - Section 7.6

LIVC In Duct Type Air Purifier for Residential Use

	ration Road - Louisv ne: (502) 357-0132	rille, KY 40299	UVC In Duct Type Air Purifier for Residential Use page 1 of 2						
Test Unit Description	Manufacturer: Pł Model No.:		nase Aire Fryclops 201/0221207ZB Serial #3	OTES: Unit is a UVC with thre Unit was installed into the side of		e of the 24" x 24" test on the 24" x 24" test on the 24" x 24" test on the 24" x 24" test on the 24" x 24" test on the 24" tes	uct. 12/21/2023 9:30		
	Test	Date: 12/21,	/23-12/22/23	Start Time:	6:00:00 PM	End Time:	2:00:00 AM		
8-Hour Ozone			kground Concentration:			Maximum Allowed	PASS / FAIL		
Emissions Test Results	Average 8 Hour Time Weighted Average (TWA) Ozone Concentration: Maximum Ozone Reading over 8-Hour Testing:			0.000 PPM 0.0004 PPM		0.050 PPM	PASS		
						0.050 PPM			
			8-Hour Ozone (Concentra	tion				
0.06 0.05 (A) 0.04 (A) 0.03 (B) 0.02 (C) 0.01 (C)	1:00	2:00	Ozone Emissions Emissions Test Duration Model	4:00	0 PPBV / 0.0500 P	6:000	Range		
	•	Ozone Analyzer: Ozone Analyzer:			2331DE 2332DE		0 - 0.1500 PPMV 0 - 0.1500 PPMV		
Test Equipment Information	Temperature: EE21FT2B51HC Humidity: EE21FT2B51HC Data Recorder: Yokogawa DX Watt Transducer: Ohio Semitronics,			1/E01-T83 1235010 1/E01-T83 1235010 012-1-4-2 S5G50		0187 -40 - 140 Degrees F 0187 0 - 100 % 901 10 Channel Recorder			
Test Conditions	8-hou unit e Avera	ur test period. Te emissions were co age Test Flow Rat	st unit was installed on ontained inside the test	the side of the duct. Unit wa	e 24" X 24" test (aintained at 800 CFM or duct and sealed to be le aximum output setting dity: 50.36 %	ak-free. All		
			ame: New Deantronics			Phone: Email: Date Requested: 12/6/2023			
Test Operator Ir	formation		Company Address: 1 New Deantronics Way Sparks, NV 89441 Test Performed by: T Shoulders CAFS Reviewed by: CR				12/6/2023 12/29/2023		
rest Operator II	iorination	1631 FEITUI	mica by. I shoulders C	VI) V	CVIEWEU DY. CR	Completion Date:	14/43/4043		

CARB CERTIFICATION



TEST NO. 24-005-1A

Test Report - Ozone Emissions - Low Flow Rate

CSA Group - C22.2 No.187-20 - Section 7.6

LIVC In Duct Type Air Purifier for Residential Use

Bulb Number: OMOSR-201/02212072B Serial Number: P2870617 Serial #3 The unit tested at flow rate of 375 CFM. The unit was installed into the side of the 24" X 24" test duct. Test Date: 12/21/2023 Start Time: 9:48:00 AM End Time: 5:48:00 PM Average 8-Hr Background Concentration: 0.0045 PPM Maximum Allowed Average (TWA) Ozone Concentration: 0.0040 PPM 0.050 PPM PASS (TAVA) Ozone Concentration: 0.0040 PPM 0.050 PPM PASS (TWA) Ozone Concentration: 0.0040 PPM 0.050 PPM PASS 8-Hour Ozone Reading over 8-Hour Testing: 0.0001 PPM 0.050 PPM PASS 8-Hour Ozone Concentration: 0.0001 PPM 0.050 PPM PASS 8-Hour Ozone Concentration: 0.0001 PPM 0.050 PPM PASS 8-Hour Ozone Emissions - Limit (50 PPBV/ 0.0500 PPMV) 0.050 PPM PASS Working Ozone Analyzer: 2B Technologies Model: 205 23310B 0.0000 - 0.1500 PPMV PASS (Test Duration (Hours)) Test Equipment Information Temperature: EE21F72851HC01/E01-1783 123501000187 - 40-140 Degrees F Humidity: EE21F72851HC01/E01-1783 123501000187 - 40-140 Deg	2820 S. English Sta Phon	ation Road - Louisv e: (502) 357-0132	ille, KY 40299	UVC In Duct Type Air Purifier for Residential Use page 1 of 2						
Test Date: 12/21/2023 Start Time: 9:48:00 AM End Time: 5:48:00 PM Average 8-Hr Background Concentration: 0.0045 PPM 0.0040 PPM Average 8-Hr Downstream Concentration: 0.0040 PPM 0.050 PPM Background Concentration: 0.0040 PPM 0.050 PPM Background Concentration: 0.0040 PPM 0.050 PPM Background Concentration: 0.0050 PPM 0.050 PPM Background Concentration: 0.0050 PPM 0.050 PPM Background Concentration: 0.0060 PPM 0.050 PPM Background Concentrati		Manufacturer: Pl Model No.: 0M058-2 Serial Number: F2P30617		hase Aire Tryclops R 201/0221207ZB Serial #3	Unit was installed into the sign in Start: 12/21/2023 9		e of the 24" x 24" test d 10 Run in End: _ 	uct. 12/21/2023 9:30		
Average 8-Hr Background Concentration: 0.0045 PPM								5:48:00 PM		
Average 8 Hour Time Weighted Average (TWA) Ozone Concentration: Maximum Ozone Reading over 8-Hour Testing: 8-Hour Ozone Concentration 8-Hour Ozone Concentration 8-Hour Ozone Concentration 8-Hour Ozone Emissions - Limit (50 PP8V) 0.0500 PPMV) Test Equipment Information 1	8-Hour Ozone						Maximum Allowed	PASS / FAIL		
### Range Upstream Ozone Analyzer: Downstream Ozone Analyzer: Downstream Ozone Analyzer: Test Equipment Information		Average 8 Hour Time Weighted Average (TWA) Ozone Concentration:			0.000 PPM		0.050 PPM			
Ozone Emissions Ozone Emis							0.050 PPM			
Octobe				8-Hour Ozone (`oncentra	tion				
Test Equipment Information Inf	0.05 0.04 0.03 0.02 0.01 0	<u> </u>		Test Duratio	on (Hours)	Serial Num	ber	Range		
The unit was tested in a complete ASHRAE 52.2 Test Duct. Flow Rate was maintained at 375 CFM over the 8-hour test period. Test unit was installed on the side of the 24" X 24" test duct and sealed to be leak-free. All unit emissions were contained inside the test duct. Unit was operated on maximum output setting. Average Test Flow Rate: 380.92 CFM Average Test Temperature: 72.47 Deg F Average Test Rel. Humidity: 50.22 % Test Requestor: Phone: Company Name: New Deantronics Email:	• •	Downstream Ozone Analyzer: 2B Technologies N Temperature: EE21FT2B51HC01 Humidity: EE21FT2B51HC01 Data Recorder: Yokogawa DX 10			Model: 205 2332E JE01-T83 1235010C JE01-T83 1235010C 1235010C 12		0.0000 - 0.1500 PPMV 187			
Requester Information Company Name: New Deantronics Email:	Test Conditions	The u 8-hou unit e Avera	unit was tested in ur test period. Te emissions were c age Test Flow Rai	n a complete ASHRAE 52. est unit was installed on ontained inside the test te: 380.92 CFM	2 Test Duct. the side of th duct. Unit wa	e 24" X 24" test d as operated on m	luct and sealed to be lead aximum output setting.	ak-free. All		
Company Address: 1 New Deantronics Way Sparks NV 89441 Date Requested: 12/6/2023	Requester Information Company I									
Test Operator Information Test Performed by: T Shoulders CAFS Reviewed by: CR Completion Date: 12/29/2023	Test Operator Inf	ormation								