



# APPLIED TECHNICAL SERVICES, INCORPORATED

1280 Field Parkway, Marietta, Georgia 30066 • (770)514-3288

BYLAGE A<sub>1</sub>

OCTROOICENTRUM NEDERLAND

20 FEB. 2007

## CERTIFICATE OF INSPECTION

Ref. M14343

Date March 01, 2001

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Time	Temperature of room	Temperature of Tube	Output Voltage1	Output voltage 2	Input Watts
5Min	71°F	79°F	3.236	0.923	1.826
10Min	71°F	80°F	2.829	1.548	1.779
15Min	71°F	79°F	2.961	1.398	1.744
20Min	71°F	79°F	1.585	0.622	1.799
25Min	71°F	79°F	2.38	1.195	1.753
30Min	71°F	80°F	3.476	0.798	1.688
35Min	71°F	80°F	3.135	0.956	1.843
40Min	71°F	80°F	3.255	0.939	1.715
45Min	71°F	79°F	2.445	1.47	1.675
50Min	71°F	78°F	3.255	0.939	1.645
55Min	71°F	79°F	2.445	1.47	1.733
60Min	71°F	79°F	1.836	1.48	1.702

Time	Difference in Temp	Unity of Wattage ou/in	Wattage used
5Min	8°F	2.11	1.826
10Min	9°F	2.19	1.779
15Min	8°F	2.11	1.744
20Min	8°F	2.11	1.799
25Min	8°F	2.11	1.753
30Min	9°F	2.19	1.688
35Min	9°F	2.19	1.843
40Min	9°F	2.19	1.715
45Min	8°F	2.11	1.675
50Min	7°F	1.85	1.645
55Min	8°F	2.11	1.733
60Min	8°F	2.11	1.702

### Equipment Used

ATS4056	Multifunction Recorder	Calibration Due: March 15, 2001
ATS4074	Digital Multimeter	Calibration Due: February 08, 2002
ATS4073	Digital Multimeter	Calibration Due: February 08, 2002
ATS1287	Survey Meter	Calibration Due: March 02, 2001

Prepared by

Jeff Cook

Electrical Supervisor

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The determination for the "unity of wattage" was on the area of the tube, the free convective and radiative heat transfer coefficients for a horizontal pipe with diameter of 2" in air with a temperature of 70 - 80°F. The chosen total heat transfer coefficient, which is the sum of the free convective and radiative heat transfer coefficients was 2.07Btu/(hr)(sq.ft.)(°F differences) which is 10.1 Kcal/(hr)(sq.m.)(°C difference); the area of the tube was .04 sq.m. The heat transfer coefficients are from Chemical Engineer's Handbook, *Perry and Chilton*.

There were a few other areas of interest that should be noted in this report.

Heat, which was produced by the device was also transferred through both end areas of the device by means of conduction, this heat was not taken into account. So the total amount of energy produced by the device was greater than was taken into account.



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BYLAGE A<sub>2</sub>

## CERTIFICATE OF INSPECTION

Ref. M 21774

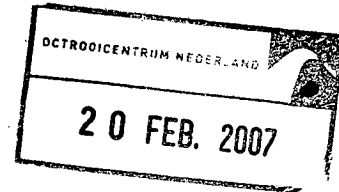
Date October 9<sup>th</sup> 2001

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### Purchase Order:

AMDG Scientific Corp.  
1529 Old Eastover Road  
Eastover, SC 29004



### Subject:

Lab Test on Energy Device

### Results

On October 9, 2001 Applied Technical Services Observed and recorded an energy device for AMDG Scientific Inc.

The lab conditions were 72°F and 40% RH. The test took place between 11:00AM and 12:00PM. AMDG set up their device and charged a round reactor tube (8.25inch diameter and 21inches long) with a type of Hydrogen. The Hydrogen tank was then removed from the system. Then a vacuum was pulled on the glass hydrogen charged tube. After the vacuum was pulled, the vacuum pump was removed from the setup. The device under test was connected to a 12Volt DC battery. ATS installed a calibrated voltage and milliamp meter to the input of the device to monitor the wattage that was being taken from the battery. We also used a calibrated multifunction recorder to monitor the room temperature and the temperature of the glass tube. The temperature of the glass and the room temperature was measured using calibrated type K thermocouple probes. The thermocouple wire used to measure the tube was attached to the outside surface using a small piece of HVAC tin tape. As the test began a blue light began to form inside the tube. We used a calibrated Survey meter to test for radiation, but there was nothing present. ATS then used a black light meter to test to see if the light being produced was ultraviolet, but it was not. ATS recorded the results of the observation for 60 minutes in which the results are listed on page 2. During the test no other fuel or source of power was used other than the wattage noted, and the initial shot of hydrogen and vacuum used during setup. The source of fuel the device seemed to be using was a metallic component that was located in one end of the tube. The substance of the block was not made known to ATS, or tested by ATS. The heat transfer calculations for the determination of the "unity of wattage" were obtained from Perry & Chilton's Chem Engineering Handbook.

There is one other interest that should be noted: There were 6 photovoltaic cells installed around the tube these cells were producing a small amount of wattage while the test was being done. This wattage varied during the test but stayed around 1.5 Volts and .6mA.

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BYLAGE A2

Time	Temp of room	Temp of tube	Temp Diff	Volts used	Amps uses	Watts used	Watts out	Unity of Wattage
0Min	22.2°C	36.7°C	14.5°C	187.4V	60mA	11.24 watts	62.7	5.58
5Min	22.2°C	36.7°C	14.5°C	188.1V	59.2mA	11.14 watts	62.7	5.63
10Min	22.2°C	37.2°C	15.0°C	187.5V	76.1mA	14.26 watts	65.1	4.57
15Min	21.7°C	37.2°C	15.5°C	187.2V	80.2mA	15.01 watts	67.3	4.48
20Min	22.2°C	37.8°C	15.6°C	180.0V	65.3mA	11.75 watts	67.7	5.76
25Min	22.2°C	38.3°C	16.1°C	180.0V	55.1mA	9.92 watts	69.9	7.05
30Min	22.2°C	38.9°C	16.7°C	183.2V	62.4mA	11.43 watts	72.5	6.34
35Min	22.2°C	38.9°C	16.7°C	182.4V	53.0mA	9.67 watts	72.5	7.50
40Min	22.2°C	38.9°C	16.7°C	188.0V	71.1mA	13.37 watts	72.5	5.42
45Min	22.2°C	39.4C	16.7°C	178.5V	50.2mA	8.96 watts	72.5	8.09
50Min	22.2°C	39.4C	17.2°C	184.2V	58.4mA	10.76 watts	74.6	6.93
55Min	22.2°C	38.9°C	16.7°C	182.5V	63.0mA	11.50 watts	72.5	6.30
60Min	22.2°C	38.9°C	16.7°C	183.5V	62.0mA	11.38 watts	72.5	6.37

**Equipment Used**

ATS 4095 Digital Multimeter  
ATS 4074 Digital Multimeter  
ATS 4091 Temperature Recorder

Prepared by Jeff L Cook 

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