



Environmental Testing Laboratory, Inc.

11034 Indian Trail
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CERTIFICATE OF TEST 14202

Customer: General Electrodynamics Corporation 8000 Calender Road Arlington, TX 76001	Test: Explosive Atmosphere
	Test Completion Date: 25 August 2016
	Purchase Order Number: 45077

Test Unit Description

One (1) Scale, P/N AN60.

Specification

MIL-STD-810G, Method 511.5, Procedure I, Paragraph 4.5.2 (Explosive Atmosphere).

Equipment

Equipment Name	Description	Model #	Calibration Due
ETL #033	ETL Explosive Atmosphere Chamber	ETL-EX-01	CNR
ETL #1189	Research, Inc. Controller	828-D11-403-403-020-00	22 January 2017
ETL #1578	Hewlett Packard Data Acquisition System	34970A	25 July 2017
Digital Camera	Canon Digital Camera	PowerShot D10	CNR
n-Hexane Solvent	n-Hexane Solvent	N/A	CNR

Procedure

The test unit was placed in the explosive atmosphere chamber. The test unit was subjected to Explosive Atmosphere testing in accordance with the specification.

Results

The test unit was subjected to Explosive Atmosphere testing in accordance with the specification. A visual examination of the test unit was performed following testing and no external damage was observed. The test unit passed the requirements of the specification. The test unit was returned to General Electrodynamics Corporation for further evaluation. Test completed 25 August 2016.

Traceability

This Certificate of Test certifies that the above test was run in accordance with applicable specifications and that all instrumentation was in calibration and is traceable to the NATIONAL INSTITUTE OF STANDARDS and TECHNOLOGY or other recognized calibration sources when applicable.

Accreditation

This test is accredited and meets the requirements of MIL-STD-810G, Method 511.5, Procedure I, Paragraph 4.5.2 (Explosive Atmosphere) as verified by the ANSI-ASQ National Accreditation Board (ANAB). Refer to Certificate and Scope of Accreditation AT-1787. This document cannot be reproduced without the approval of the Laboratory.



Respectfully,
ENVIRONMENTAL TESTING LABORATORY, INC.

Brady Richard
President

BKR/bb



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JOB #: 14202	CUSTOMER: General Electrodynamics Corporation
TEST: Explosive Atmosphere	
TEST UNIT: One (1) Scale, P/N AN60.	
SPECIFICATION: MIL-STD-810G, Method 511.5, Procedure I, Paragraph 4.5.2 (Explosive Atmosphere).	

EQUIPMENT LIST		
1. Digital Camera	6.	11.
2. ETL #033	7.	12.
3. ETL #1189	8.	13.
4. ETL #1578	9.	14.
5. n-Hexane Solvent	10.	15.

DATE	TIME	LOG AND OBSERVATIONS
8/24/16		Checked calibration dates Graph
		A visual examination of the test unit was performed before testing. No damage was observed.
		The test unit was operational.
		Operational tests were performed by ETL personnel.
8/25/16	11:32	Atmosphere proven explosive. Total of 489 mL Hexane used for test.
	11:50	Begin test, test item at 50 °C. Mixture added to chamber and scale operated. Material did not detonate. Chamber evacuated of mixture.
8/25/16		Test completed. Test item passed.
		A visual examination of the test unit was performed after testing.
		No damage was observed.
		The test unit was returned to General Electrodynamics Corporation
Technician		Jeremy Lange



**General Electrodynamics Corporation
One (1) Scale, P/N AN60
ETL Job #14202
Explosive Atmosphere**

