

April 18, 2003

To whom it may concern:

The Federal Signal A12SA voice gun (megaphone) is a commercial item and does not need, or carry, PMA approval in accordance with the following:

CFR 14 PART 21, Subpart K, "Approval of Materials Parts, Processes, and Appliances" section 303a, PMA approval applies to parts "for sale or installation".

CFR 14 PART 121, "Emergency Equipment" section 309f, defines megaphones as "portable, battery powered" equipment.

This conclusion was reached after consultation with a member of the FAA in 1995.

Some aviation consumers are concerned about the flammability rating. The Federal Signal A12SA voice gun has been tested by an independent test lab for conformance to the Federal Aviation Administration for Transport Category Airplanes paragraph 25.83 (a) and Appendix F, Part I, paragraphs (a) through (d) vertical tests, as published in the Federal Register and Amendment 25-61, Eff. 8-20-86. The samples submitted meet the requirements of the stated code.

Federal Signal is the designer and manufacturer of the A12SA voice gun. Federal Signal also rebuilds this product and offers component parts for sale. In accordance with this, Federal Signal offers a Certificate of Conformance for new products and components, and a Certificate of Conformance for rebuilt product.

Respectfully,

Carol Dummich  
Quality Manager, Emergency Products Division of Federal Signal Corporation



**United States Testing Company, Inc.**  
**Materials Evaluation Division**

1415 PARK AVENUE • HOBOKEN, NEW JERSEY 07030 • 201-792-9895

**REPORT OF TEST**

April 12, 1989

**CLIENT:** Signal Division  
Federal Signal Corporation  
2645 Federal Signal Drive  
University Park, Illinois 60466

**NUMBER**  
022335

**SUBJECT:** One (1) sample of material submitted and identified by client as "A12SA Voicegun Housing". Client's document control #32527 dated March 21, 1989.

Procedure:

The apparatus and methods of testing were those described in the Federal Aviation Administration for Transport Category Airplanes Paragraph 25.853(a) and Appendix F, Part I, paragraphs (a) thru (d) vertical tests, as published in the Federal Register and Amendment 25-61, Eff. 8/20/86.

Requirements:

The average burn length may not exceed 6 inches and the average flame time after removal of the flame source may not exceed 15 seconds. Drippings from the test specimen may not continue to flame for more than an average of 3 seconds after falling.

Test Results:

<u>After Flame (seconds)</u>	<u>Burn Length (inches)</u>	<u>Flaming Drips (seconds)</u>
4.2	1.6	-
8.9	1.9	-
8.0	1.8	-
<u>7.0</u>	1.8	

Conclusions:

Based upon the results of the test reported above the submitted sample meets the requirements of the above code.

**SIGNED FOR THE COMPANY**

**BY**

*D.A. Martucci*  
D.A. Martucci

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**Laboratories in:** New York • Chicago • Los Angeles • Tulsa • Memphis • Modesto • Richland

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