

Date: \_\_\_\_\_

Purchase Order No: \_\_\_\_\_

Subject: \_\_\_\_\_ Type: \_\_\_\_\_

Batch No. \_\_\_\_\_

We hereby certify that when tested at time of manufacture, the above material:

1. Meets the requirements of and has been tested for sulfur and halogens according to:
  - A. ASME Boiler and Pressure Vessel Code, 2004 & 2007 Edition, Section V, Nondestructive Examination, including 2005, 2006, 2008, & 2009b Addenda, Article 6 Paragraph T-640 and Article 24 as applicable.
  - B. ASME Boiler and Pressure Vessel Code, 1995, 1998 & 2001 Edition, Section V Nondestructive Examination, including 1999, 2000, 2002, & 2003 Addenda, Article 6 Paragraph T-640, and Article 24 as applicable.
  - C. ASME Boiler and Pressure Vessel Code, 1986, 1989, and 1992 Edition, Section V, Nondestructive Examination, Article 6 including 1992 Addenda, Paragraph T-625, 1993 Addenda Paragraph T-640 and Article 24 as applicable.
  - D. ASTM E-165-92, ASTM E-165-94, ASTM E-165-95, ASTM E-165-02, and ASTM E-165-09 Paragraph 7.1.
  - E. MIL-STD-271F(SH), 27 June 1986, Paragraphs 5.3 and 5.3.1., including Notice 1 Paragraph 5.6.1 (21, June 1993).
  - F. NAVSEA T9074-AS-GIB-010/271, 30 April 1997 including Notice 1 Feb 16, 1999, Paragraph 5.3.1 & 5.6.2.
  - G. NAVSEA 250-1500-1 (Rev. 10 June 1979, Rev. 11 May 1983, Rev 12 December 1987 Including ACN 2 Nov. 15, 1990, Rev. 13 October 1993 including ACN 4 June 30, 1995, Rev. 16 May 9, 2003 incl. ACN 5) Paragraphs 12.5.1.1 and 12.5.1.1.1.
  - H. MIL-STD-2132D, 11 February 2003, Paragraph 7.1, 7.1.2., 7.1.3, Appendix C, Paragraph 40.

The following test results were obtained:

Sulfur: \_\_\_\_\_ wt, % of residue. CL+F: \_\_\_\_\_ wt, % of residue  
Cleaner residue (see note 3) \_\_\_\_\_ g/100g \_\_\_\_\_ g/100ml

2. We further certify that this material does not contain mercury as a basic element and no mercury bearing equipment was used in its manufacture.

MAGNAFLUX®



Mathew Plamoottil - Quality Assurance Mgr.



Lynda Carle - Lab Technician.

- Notes:
1. Our batch number appears on the bottom of all aerosol cans and on the label of all bulk containers.
  2. Most specifications require test results stated in percent but some require parts per million (ppm). To convert "percent" figures to "parts per million" move the decimal four places to the right.
  3. The above certification gives the results obtained at the time of manufacture. Age and use may alter the properties of any material

Form No. F-1569 R-9/09



A Division of Illinois Tool Works Inc.

Date: \_\_\_\_\_

Purchase Order No. \_\_\_\_\_

We hereby certify that the \_\_\_\_\_, Type \_\_\_\_\_  
Batch No. \_\_\_\_\_, supplied meets the requirements of AMS 2644E, and is  
approved by the U.S. Air Force.

When tested according to paragraph 4.3.2., Sampling Plan A, the following results were obtained.

4.2.2.1. Penetrant Tests:

Flash Point (PMCC), 3.3.3	_____ °F
Viscosity, 3.3.4( cs. Nominal)	_____ cs@100°F
Fluorescent Brightness, 3.3.8.3.2.(FP-4PE Standard)	_____ %
Water Tolerance (Method A only), 3.3.8.5	_____ .
Removability, 3.3.8.6	_____ .

4.2.2.1 Emulsifier Tests:

Flash Point (PMCC), 3.3.3	_____ °F
Viscosity, 3.3.4( cs. Nominal)	_____ cs@100°F
Water Content (Method D only), 3.3.9.6	_____ %

4.2.2.3. Developer Tests:

Developer Fluorescence, 3.3.10.2	_____ .
Developer Removability, 3.3.10.4	_____ .
Redispersibility, 3.3.10.5	_____ .

3.3.11.5 Remover Tests:

Penetrant Removal, 4.4.11.3.2	_____ .
-------------------------------	---------

We further certify that this material meets the requirements of ASTM E 1417, Paragraph 5.1.

MAGNAFLUX®

Mathew Plamoottil - Quality Assurance Mgr.

Lynda Carle - Lab Technician.

Form No. F-1579E R-12/06