Spotcheck, SKC-S

Date: 05/10/2023
Purchase Order:
Batch #: 23E043

It is hereby certified that when tested at the time of manufacture, the above listed material and batch number meets the requirements of and has been tested for Sulfur and Halogens according to:

- ASME Boiler and Pressure Vessel Code, Section V, 2004,2007,2010,2013,2015,2017, 2019 and 2021 Edition, Nondestructive Examination, including 2005, 2006, 2008,2009b, and 2011a Addenda, Article 6 Paragraph T-641 and Article 24 as applicable.
- ASME Boiler and Pressure Vessel Code, 1995, 1998 and 2001 Edition, Section V Nondestructive Examination, including 1999, 2000, 2002 and 2003 Addenda, Article 6 Paragraph T-640 and Article 24 as applicable.
- 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.
- ASTM E-165-92, ASTM E-165-94, ASTM E-165-95, ASTM E-165-02,ASTM E-165-09, ASTM E-165/E-165M-12, ASTM E-165/E-165M-18, Paragraph 7.1.
- MIL-STD-271F(SH) June 27, 1986, Paragraphs 5.3 and 5.3.1, including Notice 1 Paragraph 5.6.1 June 21, 1993.
- NAVSEA T9074-AS-GIB-010/271 (April 30, 1997 including Notice 1, September 11, 2014) Paragraph 5.3.1 and 5.6.2
- NAVSEA 250-1500-1 (Rev. 10 June 1979, Rev. 11 May 1983, Rev. 12 December 1987 including ACN 2 November 15, 1990, Rev. 13 October 1993 including ACN 4 June 30, 1995, Rev. 16 May 9, 2003 Including ACN 5, Rev. 17, Sept. 2007 including ACN 6, and Rev. 18 August 2013) Paragraphs 12.5.1.1 and 12.5.1.1.1
- MIL-STD-2132E, March 29, 2016, Paragraphs 7.1, 7.1.2 and 7.1.3, Appendix C, Paragraph 40.

The following test results were obtained:

Sulfur NA ppm NA wt., % of residue. CL+F NA ppm NA wt., % of residue

Cleaner residue (see note 3) 0.0017 g/100g 0.0013 g/100ml

It is further certified that this material does not contain mercury as a basic element and that no mercury bearing equipment has been used in its manufacture.

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 to be 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.

Mathew Plamoottil
Quality Assurance Manager

Laurie Marx
Quality Control Manager

155 Harlem Ave.
Glenview, IL 60025
P: 1-847-657-5300

MAGNAFLUX

Certification

Spotcheck, SKC-S

Date: 05/10/2023
Purchase Order:
Batch #: 23E043

It is hereby certified that the above listed inspection material and batch number meets the requirements of AMS 2644H and is approved by the U.S. Air Force as listed on QPL-AMS-2644

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

- Flash Point (PMCC), 3.3.3 — NA ° F
  Viscosity, 3.3.4 (cs. Nominal) — NA cs@100 ° F
  Fluorescent Brightness, 3.3.8.3.3(FP-4PE Standard) — NA %
  Water Tolerance (Method A), 3.3.8.5 — NA %
  Water Tolerance (Method B, D), 3.3.8.5 — NA
  Removability, 3.3.8.6 — NA
  Water Content, 3.3.8.7 — NA %

- 4.2.2.2 Emulsifier Tests:

  Flash Point (PMCC), 3.3.3 — NA ° F
  Viscosity, 3.3.4 (cs. Nominal) — NA cs@100 ° F
  Water Content (Method B and D Only), 3.3.9.6 — NA %

- 4.2.2.3 Developer Tests:

  Developer Fluorescence, 3.3.10.2 — NA
  Developer Removability, 3.3.10.4 — NA
  Redispersibility, 3.3.10.5 — NA

- 3.3.11.4 Remover Tests:
  Penetrant Removal, 4.4.11.2 — PASS

It is further certified that this material meets the requirements of ASTM E 1417, Paragraph 5.1.

Batch Numbers appear on labels of bulk containers and on bottoms of aerosol cans.

Mathew Plamoottil
Quality Assurance Manager

Laurie Marx
Quality Control Manager

155 Harlem Ave.
Glenview, IL 60025
P: 1-847-657-5300

MAGNAFLUX

Certification

SKC-S

Date: 05/10/2023
Purchase Order:
Batch #: 23E043

We hereby certify that the Penetrant inspection material
Type SKC-S , Batch No 23E043
Manufactured in May, 2023 furnished on the above order number
meets the requirements of EN ISO 3452-2, with the following results

Individual Property	Section	Requirement	Result
Appearance	6.1	Clear	PASS
Sensitivity (30µm panel)	6.2	Sensitivity Level (1(<75%) or 2 (≥75%)) Penetrant: SKL-SP2 Developer:SKD-S2	2
Density	6.3	0.684-0.756@ 20°C (68°F)	0.754
Residue on evaporation/solid content	6.13	<5mg residue	2.0
Flashpoint	6.5	NA	NA*
Corrosive Properties (Mg)	6.11	No evidence of staining, pitting or corrosion	PASS

*Flashpoint not required per ISO3452-2:2013 6.5.1 flashpoint measurement only required for material with nominal flash of 20°C and 110°C. Flashpoint is below 20°C

**Testing in accordance with 5.3.1 Table 3 as applicable

Mathew Plamoottil
Quality Assurance Manager

Laurie Marx
Quality Control Manager

155 Harlem Ave.
Glenview, IL 60025
P: 1-847-657-5300

Date: 05/10/2023

Purchase Order:

VENDOR'S REPORT - TEST RESULTS

Please forward in duplicate to:
REPORTS, MATERIALS CONTROL LABORATORY
PRATT & WHITNEY
(Plant to which material is shipped)

This is to certify that Paragraph Number(s)_____ apply to the shipment below: (insert at least one of the first 4, plus 5 if applicable).

1. (Applicable to all raw material, to parts made from raw material furnished or purchased by vendor, or to assemblies of which some or all components are made from raw material furnished or purchased by vendor.) Material, parts, or components of assemblies have been inspected and accepted to the specifications involved, and results of tests required by Pratt & Whitney Aircraft are shown herein.

2. (Applicable to parts or assembly components made from raw material furnished by Pratt & Whitney Aircraft and not chemically or metallurgically treated by vendor so as to change surface or internal condition significantly.) Parts or assemblies have been machined or formed from material furnished by Pratt & Whitney Aircraft, to make these parts or components of assemblies.

3. (Applicable to parts or assembly components made from raw material furnished by Pratt & Whitney Aircraft and chemically or metallurgically treated by vendor so as to change surface or internal condition significantly.) Parts of components of assemblies have been made from raw material furnished by Pratt & Whitey Aircraft to make these parts or components of assemblies. Parts, components of assemblies have been inspected and accepted to the specifications involved, and results of tests required by Pratt & Whitney Aircraft are as show herein.

4. (Applicable to repaired or reworked raw material, parts or assemblies.) The raw materials, parts or assemblies have been reworked or repaired in accordance with Pratt & Whitney Aircraft Instructions, and are the same material, parts or assemblies returned for such reworking or repair, except for replacement of assembly components, in which case paragraphs 1 and 5 are also applicable.

5. (Applicable to all assemblies, and to parts when specifically authorized by purchaser.) Results of all chemical and physical tests not shown below, as well as all other evidence which shows acceptability of raw materials and assembly components, are on file and available for inspection at any reasonable time.

PART OR ASS'Y NO. (Size if no Part No.)	CHG. LTR.	SUF. NO.	SPECIFICATIONS, AS ORDERED
PMC 4366J		1	PWA 300 Rev. BT

QUANTITY	DATE SHIPPED	LOCATION OF PWA PLANT TO SHIPPED TO	PACK SLIP NO.	P.O. NO.

HEAT, LOT, CODE OR BATCH NO.	RAW MATERIAL VENDOR	TYPE-COMPOUND OR CASTING	PWA HEAT CODES (if required)
Batch No. 23E043		Spotcheck, SKC-S	

If materials, parts or assemblies do not entirely conform to specification requirements, the deviation and authority for furnishing such materials are indicated below:

RESULTS OF TESTS (Use reverse side if necessary)

This is to certify that the shipment of materials has been representatively sampled and analyzed according to the Quality Control Program of Magnaflux and that this material meets the specifications set forth by Pratt and Whitney per PMC 4366 Rev J. Used as a pre-cleaner, post-cleaner and penetrant remover for local applications. It is approved for use on steels, stainless steel, nickel-based alloys, cobalt-base alloys, aluminum, magnesium, titanium and titanium alloys.

Magnaflux certifies that SKC-S does NOT contain Polychlorinated Biphenyls (PCB'S)

VENDOR NAME	BY (Authorizing Agent)
MAGNAFLUX	Matt Plamoottil, Quality Assurance Manage
VENDOR ADDRESS	
218 Industrial Street, DeWitt, Iowa 52742	Laurie Marx, Quality Control Manager

155 Harlem Ave.
Glenview, IL 60025
P: 1-847-657-5300