

CERTIFICATION

FP-97A(M)

Batch #: 49873



Product	Description	Type	Method	Sensitivity	Form	Class	Approval Date
FP-97A(M)	Fluorescent Penetrant	1	B, C, & D	4	N/A	N/A	28-SEP-26

We hereby certify that this batch of inspection material when tested following manufacture meets the following:

Certificamos que este lote de material de inspección cumple con los siguientes requisitos cuando es probado despues de la fabricación:

- SAE AMS 2644J and on the Qualified Products List (test reference: AFWAL/MLS 86-88, AFRL/MLS 98-165, is not water soluble)

- MIL-STD-2132

- ISO/FDIS 3452-2:2021

- Honeywell EMS 52309, HGS1010

- Safran Aircraft Engines Pr-5000, Issue F, §§6.4.1 and 6.4.2

- Pratt & Whitney FPM PMC #4354-7 Rev. AW, dated 12/21/2022

- Boeing BSS 7039, BAC 20-20-02, PSD 6-46, PSD 8-4

- Rolls-Royce RRP 58003 Rev. K

- AMS 2647G, ASTM E165/E165M-23, ASTM E1417/E1417M-21

- General Electric Aircraft Engines 70-32-02, dated 11/22/2023, and General Electric Gas Turbines LM6000

PC

- NAVSEA 250-1500-1, Rev. 19, ¶¶ 12.5.1.1 and 12.5.1.1.1 & T9074-AS-G1B-010/271 Rev. 1 2014

- ASME Boiler and Pressure Vessel Code, 2025 Edition, Section V, Article 6, Mandatory Appendix II, ¶¶

II-641 and II-642

- 10CFR part 21 applies

• Shelf life is 5 years from date of batch approval.

Vida útil de garantía son 5 años desde la fecha del "approval date".

• Batch number is on bulk labels or bottom of aerosol cans.

Numeros de lote se encuentran en las etiquetas de los botes a granel o en el fondo de los botes de aerosol.

Is free of all known Ozone depleting substances and mercury contamination and was not made in any mercury bearing equipment. Does not contain polychlorinated biphenyl (PCB), nonylphenol ethoxylates (NPE), or RoHS banned substances.

Esta libre de todas sustancias degradantes del ozono, de contaminación de mercurio, y no fue fabricado usando equipo conteniendo mercurio. No contiene polychlorinated biphenyl (PCB), nonylphenol ethoxylates (NPE), o RoHS sustancias prohibidas.

TEST DESCRIPTION

Density

UNIT

G/L

SPECIFICATION

924.0 - 965.0

RESULT

957.0

Viscosity: ASTM D445-21; AMS 2644J ¶ 3.3.4; PMC 4354-7

MM²/S

6.8 - 9.2

9.1

Flash Point: ASTM D93-20; AMS 2644J ¶ 3.3.3; PMC 4354-7

C

93.3 Minimum

111.0

Fluorescent Brightness: ASTM E1135-19; AMS 2644J ¶ 3.3.8.3.3

%

95.0 Minimum

110.0

Sulfur Content: ASTM E165/E165M-23 ¶ 9.1.2, Annex A4

PPM

200 Maximum

25

Chloride Content: ASTM E165/E165M-23 ¶ 9.1.2, Annex A4

PPM

200 Maximum

11

Fluoride Content: ASTM E165/E165M-23 ¶ 9.1.2, Annex A4

PPM

50 Maximum

7

Total Halogen Content: ASTM E165/E165M-23 ¶ 9.1.2, Annex A4

PPM

200 Maximum

18

Sodium Content: ASTM E165/E165M-23 ¶ 9.1.2, Annex A4; MCL M-504

PPM

100 Maximum

4

Water Content: ASTM E1417/E1417M-21, Annex A1 (Karl Fischer)

%

1.00 Maximum

0.67

Appearance

P/F

Clear, yellow green liquid, no sediment

PASS

Performance: ASTM E1417/E1417M-21 ¶ 7.8.3

P/F

Equal to MLC Level 4 Standard

PASS

Removability: AMS 2644J ¶ 3.3.8.7

P/F

Equal to MLC Standard

PASS

This certificate of analysis has been transmitted electronically and is valid without a signature

