

CERTIFICATION



D-70

Batch #: 49621

Product	Description	Type	Method	Sensitivity	Form	Class	Approval Date
D-70	Nonaqueous Developer	I & II	A, B, C, & D	2*	d & e	2 - non halogenated	14-APR-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).
- Velan PS-008, Rev. 12
- MIL-STD-2132 ¶ 7.1.3
- Honeywell EMS 52309, HGS1010
- ISO/FDIS 3452-2:2021, EN 571-3*
- Pratt & Whitney FPM PMC 4357-11 Rev. AK, dated 02/21/2023
- Safran Aircraft Engines Pr-5000, Issue F, §§6.4.1 and 6.4.2
- NAVSEA 250-1500-1, Rev. 19, ¶¶ 12.5.1.1 and 12.5.1.1.1
- Rolls-Royce RRP 58003 Rev. K
- RCC-M edition 2000, Section V-F, sub-section F6423 ¶ 3
- Boeing BSS 7039, BAC 20-20-02, BAC 5423, PSD 6-46, PSD 8-4
- General Electric Aircraft Engines 70-32-02, dated 11/22/2023, and General Electric Gas Turbines LM6000

PC

- ASME Boiler and Pressure Vessel Code, 2025 Edition, Section V, Article 6, Mandatory Appendix II, ¶¶ II-641 and II-642
- AMS 2647G, ASTM E-165/E165M-23, ASTM E-1417/E1417M-21, ASTM E1418-21, ASTM E-1209
- NAVSEA 250-1500-1, Rev. 19, ¶¶ 12.5.1.1 and 12.5.1.1.1, T9074-AS-G1B-010/271 supersedes MIL-STD-271(SH) ¶5.6.1(93)
- 10 CFR 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

Performance Type 1 (10 micron): ISO 3452-2:2021 ¶ 6.15

Performance Type 2 (30 micron): ISO 3452-2:2021 ¶ 6.15

Solids Content: ISO 3452-2:2021 ¶ 6.13

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

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

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

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

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

Appearance

Redispersibility: AMS 2644J ¶ 3.3.10.5

Fluorescence: AMS 2644J ¶ 3.3.10.2

Removability: AMS 2644J ¶ 3.3.10.4

UNIT

%

%

%

PPM

PPM

PPM

PPM

PPM

P/F

P/F

P/F

P/F

SPECIFICATION

95.0 Minimum

75.0 Minimum

9.5 - 13.5

200 Maximum

200 Maximum

50 Maximum

200 Maximum

1000 Maximum

Milky Liquid, clear after standing/white sediment

Re-suspends readily

Free of bright fluorescent specks

Free of heavy developer film

RESULT

100.0

80.0

12.3

37

22

22

45

233

PASS

PASS

PASS

PASS

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

