

# CERTIFICATION

**D-70**

**Batch #: 31236**

| 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 | 25-OCT-23     |

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 2644H and on the Qualified Products List (test reference: AFWAL/MLS 86-88).
- Velan PS-008, Rev. 10
- MIL-STD-2132 ¶ 7.1.3
- Honeywell EMS 52309, HGS1010
- ISO/FDIS 3452-2:2021, EN 571-3\*
- Pratt & Whitney FPM PMC 5357 Rev. AJ
- Safran In-5000 Rev. B, PR-5000 Rev. D
- NAVSEA 250-1500-1 ¶ 12.5.1.1.1, Rev 18
- Rolls-Royce RRP 58003 Rev. J, RPS-702-7
- 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 Gas Turbines LM6000 PC & Aircraft Engines 70-32-02
- ASME Boiler & Pressure Vessel Code 2021, Section V, Article 6, appendix II-¶-641 & II-¶-642
- AMS 2647G, ASTM E-165/E165M-18, ASTM E-1417/E1417M-21, ASTM E1418-21, ASTM E-1209
- NAVSEA 250-1500-1 ¶ 12.5.1.1.1, Rev 18, 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 2644H ¶ 3.3.10.5

Fluorescence: AMS 2644H ¶ 3.3.10.2

Removability: AMS 2644H ¶ 3.3.10.4

## UNIT SPECIFICATION

% 95.0 Minimum

% 75.0 Minimum

% 9.5 - 13.5

PPM 200 Maximum

PPM 200 Maximum

PPM 50 Maximum

PPM 200 Maximum

PPM 1000 Maximum

P/F

P/F

P/F

P/F

Milky Liquid, clear after standing/white sediment  
 Re-suspends readily  
 Free of bright fluorescent specks  
 Free of heavy developer film

## RESULT

100.0

100.0

12.3

54

32

32

65

339

PASS

PASS

PASS

PASS

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