



CERTIFICATION
FBP-913
BATCH # 18024

| PRODUCT | DESCRIPTION | TYPE | METHOD | SENSITIVITY | FORM | CLASS | APPROVAL DATE |
|---------|-----------------------|------|--------|-------------|------|-------|---------------|
| FBP-913 | Fluorescent Penetrant | 1 | A & C | 3 | NA | NA | 9-Aug-2021 |

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 después de la fabricación:

- SAE AMS 2644H and on the Qualified Products List (test reference: AFWAL/MLS 86-88).
- ISO/FDIS 3452
- T9074-AS-G1B-010/271
- Boeing BSS 7039 & BAC 20-20-02
- Rolls-Royce RPS-702-7, RRP 58003C
- NAVSEA 250-1500-1 ¶ 12.5.1.1.1, Rev 17
- AMS 2647F, ASTM E165/E165M-16 & ASTM E1417/E1417M-16
- General Electric Aircraft Engines 70-32-02 & Gas Turbines LM6000 PC
- ASME Boiler & Pressure Vessel Code 2019, Section V, Article 6, appendix II-¶-641 & II-¶-642
- 10 CFR part 21 applies.

PO# _____

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.

- 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.

| QUALITY ASSURANCE TESTS | REQUIREMENTS | BATCH RESULTS |
|--|---|-------------------------|
| Appearance: | Clear green liquid, no sediment. | Pass |
| Density: | 958 g/L - 989 g/L @ 21.1°C (70°F) | 988 g/L |
| Flash Point: ASTM D-93, AMS-2644 ¶ 3.3.3 | > 93.3°C (> 200 °F) | 356 °F |
| Viscosity: ASTM D-445, AMS-2644 ¶ 3.3.4 | 23.7 - 29.0 mm ² /s @ 37.7°C (100°F) | 28.5 mm ² /s |
| Fluorescent Brightness: AMS-2644 ¶ 3.3.8.3.3; per ASTM E-1135-19 | ≥ 90 % of level 4 std. FP-4PE | 123 % |
| Water Tolerance AMS-2644 ¶ 3.3.8.4 | ≥ 5 % | 16.7 % |
| Removability: AMS-2644 ¶ 3.3.8.6 | Equal to MLC Level 3 Standard | Pass |
| Water Content, ASTM E-1417/E1417M-16 annex A1 (Karl Fischer) | < 1 % | 0.3 % |
| Sulfur Content: per ASTM E-165/E165M-18 ¶ 9.1.2 Annex A4 | ≤ 200 ppm (0.02 %) | < 200 ppm |
| Chloride Content: ASTM E-165/E165M-18 ¶ 9.1.2 Annex A4 | ≤ 200 ppm (0.02 %) | < 200 ppm |
| Total Halogen Content: ASTM E-165/E165M-18 ¶ 9.1.2 Annex A4 | ≤ 200 ppm (0.02 %) | < 200 ppm |

MET-L-CHEK QUALITY ASSURANCE

BATCH TESTED BY:

DENNIS MASON
QC CHEMIST

BATCH APPROVED BY:

JUSTINE FORD
PLANT CHEMIST



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