McGean
2910 Harvard Ave
Cleveland, OH 44105-1377
Tel: 216-441-4900
Fax: 216-441-4544
www.mcgean.com

CERTIFICATION

FP-97A(M)

Batch #: 50597

Product	Description	Type	Method	Sensitivity	Form	Class	Approval Date
FP-97A(M)	Fluorescent Penetrant	1	B, C, & D	4	N/A	N/A	03-NOV-26

We hereby certify that this batch of inspection material when tested following manufacture meets the following:
Certificamos que este lote de material de inspeccíon 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 garantia 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	UNIT	SPECIFICATION	RESULT
Density	G/L	924.0 - 965.0	957.8
Viscosity: ASTM D445-21; AMS 2644J ¶ 3.3.4; PMC 4354-7	MM2/S	6.8 - 9.2	8.9
Flash Point: ASTM D93-20; AMS 2644J ¶ 3.3.3; PMC 4354-7	C	93.3 Minimum	106.0
Fluorescent Brightness: ASTM E1135-19; AMS 2644J ¶ 3.3.8.3.3	%	95.0 Minimum	109.9
Sulfur Content: ASTM E165/E165M-23 ¶ 9.1.2, Annex A4	PPM	200 Maximum	36
Chloride Content: ASTM E165/E165M-23 ¶ 9.1.2, Annex A4	PPM	200 Maximum	13
Fluoride Content: ASTM E165/E165M-23 ¶ 9.1.2, Annex A4	PPM	50 Maximum	8
Total Halogen Content: ASTM E165/E165M-23 ¶ 9.1.2, Annex A4	PPM	200 Maximum	21
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	0.33
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