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CERTIFICATION

VP-31A

Batch #: 50348

Product	Description	Type	Method	Sensitivity	Form	Class	Approval Date
VP-31A	Visible Penetrant	II	B & C	L2*	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 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).
- Dassault IQ-1-0-1
- Velan PS-008, Rev. 10
- MIL-STD-2132 ¶ 7.1.3
- ISO/FDIS 3452-2:2021, EN 571-3*
- NAVSEA 250-1500-1, Rev. 19, ¶¶ 12.5.1.1 and 12.5.1.1.1
- RCC-M edition 2000, Section V-F, sub-section F6423 ¶ 3
- Framatome ANP Seimens AG; NFQS DC 103 Rev B 2004 ¶ MC 4200
- ASTM E-165/E165M-23, ASTM E-1417/E1417M-21, ASTM E1418-21
- ASME Boiler and Pressure Vessel Code, 2025 Edition, Section V, Article 6, Mandatory Appendix II, ¶¶ II-641 and II-642
- 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 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: ISO 3452-2:2021 ¶ 6.3	G/L	853.0 - 870.7	869.6
Viscosity: ASTM D445-21; AMS 2644J ¶ 3.3.4; ISO 3452-2:2021 ¶ 6.4	MM2/S	4.4 - 5.4	5.3
Performance Level 2 (50 micron at room temp): ISO 3542-2:2021 ¶ 6.2	%	100 Minimum	100
Performance Level 2 (30 micron at room temp): ISO 3452-2:2021 ¶ 6.2	%	75 Minimum	96
Performance Level 2 (50 micron at 50C): NFQS DC 103 Rev B 2004 ¶ MC 4200	%	100 Minimum	100
Performance Level 2 (30 micron at 50C): NFQS DC 103 Rev B 2004 ¶ MC 4200	%	75 Minimum	94
Flash Point: ASTM D93-20; AMS 2644J ¶ 3.3.3	C	93.3 Minimum	110.0
Sulfur Content: ASTM E165/E165M-23 ¶ 9.1.2, Annex A4	PPM	200 Maximum	81
Chloride Content: ASTM E165/E165M-23 ¶ 9.1.2, Annex A4	PPM	200 Maximum	7
Total Halogen Content: ASTM E165/E165M-23 ¶ 9.1.2, Annex A4	PPM	200 Maximum	15
Appearance: ISO 3452-2:2021 ¶ 6.1	P/F	Dark red liquid, no sediment	PASS

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