



**CERTIFICATION**  
**VBP-300**  
**BATCH # 16508**

PRODUCT	DESCRIPTION	TYPE	METHOD	SENSITIVITY	FORM	CLASS	APPROVAL DATE
VBP-300	Visible Penetrant	II	A & C	L2•	NA	NA	18-Mar-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).
- Velan PS-008, Rev. 10.
- ISO/FDIS 3452-2005(E)\*
- NAVSEA 250-1500-1 ¶ 12.5.1.1.1, Rev 17.
- RCC-M edition 2000, Section V-F, sub-section F6423 ¶ 3.
- ASTM E-165/E165-12, ASTM E-1417/E1417M-16, ASTM E-1418-10
- ASME Boiler & Pressure Vessel Code 2019, Section V, Article 6, appendix II-¶641 & II-¶642.
- 10 CFR part 21 applies.

PO# \_\_\_\_\_

- 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.*

QUALITY ASSURANCE TESTS	REQUIREMENTS	BATCH RESULTS
Appearance: ISO 3452-2:2006(E) ¶ 7.1	Dark red liquid, no sediment.	Pass
Density: ISO 3452-2:2006(E) ¶ 7.3	880 g/L - 1075 g/L	962 g/L
Viscosity: ASTM D-445, AMS-2644 ¶ 3.3.4, ISO 3452-2:2006(E) ¶ 7.4	23.0 - 28.1 mm <sup>2</sup> /s @ 37.7°C (100°F)	27.6 mm <sup>2</sup> /s
Performance: ISO 3452-2:2006(E) ¶ 7.2	*L2=(100% 50µ, >75% 30µ)	Pass
Flash Point: ASTM D-93: AMS 2644 ¶ 3.3.3	> 93.3°C (> 200 °F)	253 °F
Washability: MLC modified ISO 3452-2:2006(E) ¶ 7.6	Equal to MLC Standard.	Pass
Water Tolerance AMS-2644 ¶ 3.3.8.5, ISO 3452-2:2006(E) ¶ 7.10	≥ 5 %	10.7%
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



Met-L-Chek Company, 2910 Harvard Avenue | Cleveland, OH 44105

T: (216) 341-0238 | F: (216) 441-1377

E: [info@met-l-chek.com](mailto:info@met-l-chek.com) W: [www.met-l-chek.com](http://www.met-l-chek.com)