



CERTIFICATION

E-57

BATCH # 21951

PRODUCT	DESCRIPTION	TYPE	METHOD	SENSITIVITY	FORM	CLASS	APPROVAL DATE
E-57	Lipophilic Emulsifier	1	B	N/A	N/A	N/A	8-Apr-2022

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).
- ISO/FDIS 3452-2006
- ASTM E165/E165-18, ASTM E1417/E1417M-21
- T9074-AS-G1B-010/271 superceedes MIL-STD-2132 ¶ 7.1.3
- 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 TEST	REQUIREMENTS	BATCH RESULTS
Appearance: ISO 3452-2:2006(E) ¶ 7.1	Clear liquid, no sediment.	Pass
Density: ISO 3452-2:2006(E) ¶ 7.3	817.2 g/L - 998.8 g/L @ 21.1°C (70°F) g/L	938.0 g/L
Viscosity: ASTM D-445, AMS-2644 ¶ 3.3.4, ISO 3452-2:2006(E) ¶ 7.4	27.0-34.4 mm ² /s @ 37.7°F (100°F) mm ² /s	28.4 mm ² /s
Performance: AMS-2644 ¶ 3.3.8.6, ISO 3452-2:2006(E) ¶ 7.2	Equal to MLC Standard	Pass
Flash Point: ASTM D-93, AMS-2644 ¶ 3.3.4; ISO 3452-2:2006(E) ¶ 7.5	≥ 93.3 °C (≥ 200 °F)	266 °F
Water Tolerance: ISO 3452-2:2006(E) ¶ 7.10	≥ 5 %	13.0 %
Sulfur Content: per ASTM E-165/E165M-18 ¶ 9.1.2 - Annex 4	≤ 200 ppm (0.02 %)	< 200 ppm
Chloride Content: ASTM E-165/E165M-18 ¶ 9.1.2 - Annex 4	≤ 200 ppm (0.02 %)	< 200 ppm
Total Halogen Content: ASTM E-165/E165M-18 ¶ 9.1.2 - Annex 4	≤ 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, 2910 Harvard Avenue | Cleveland, OH 44105

T: (216) 441-4900 | F: (216) 441-1377

E: info@met-l-chek.com W: www.met-l-chek.com