



**CERTIFICATION**  
**MPI-1400B**  
**BATCH # 19827**

| PRODUCT   | DESCRIPTION            | TYPE        | METHOD | SENSITIVITY | FORM   | CLASS | APPROVAL DATE |
|-----------|------------------------|-------------|--------|-------------|--------|-------|---------------|
| MPI-1400B | Magnetic Particle Bath | Fluorescent | Wet    | N/A         | Liquid | N/A   | 19-Oct-21     |

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:*

- ISO-9934
- ASTM E-709-15
- AMS-2641C-2015, Type I
- ASTM E1444/E1444M-16
- Pratt & Whitney PMC 1887
- AMS 3045 or AMS 3046 (aerosol)
- ASME Boiler & Pressure Vessel Code 2017, Section V, Article 7 & Article 25
- 10 CFR part 21 applies.

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

- Warranty shelf life is 2 years from date of batch approval.  
*Vida útil de garantia son 2 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              |
|--|--|----------------------------|
| Density:   | 732.6 g/L - 895.4 g/L @ 70°F(21.1°C)       | <b>815.6g/L</b>            |
| Flash Point: per ASTM D-93, ISO-9934;AMS-2641B type 1 ¶ 3.2.1.1              | > 93.3°C(>200°F) PMCC                      | <b>205 °F</b>              |
| Viscosity : ASTM D-445-01; ISO-9934;AMS-2641C ¶3.2.2                         | ≤ 3 mm <sup>2</sup> /s. @ 100 °F (37.7 °C) | <b>2.6mm<sup>2</sup>/s</b> |
| Performance: Relative Sensitivity ASTM E1444/E1444M-16 ¶ 7.2.3 Appendix X2.4 | Equal to standard on MSC Type 2000; > 6    | <b>7</b>                   |
| Settling Volume - Bulk- ASTM E1444/E1444M-16 ¶ 7.2.1.1                       | 0.25 - 0.4 mL                              | <b>0.3</b>                 |
| Settling Volume - Aerosol- ASTM E1444/E1444M-16 ¶ 7.2.1.1                    | 0.3 - 0.55 mL                              | <b>NA</b>                  |

**MET-L-CHEK QUALITY ASSURANCE**

**BATCH TESTED BY:**

**DENNIS MASON**  
QC CHEMIST

**BATCH APPROVED BY:**

**JUSTINE FORD**  
PLANT CHEMIST



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