# Certification

| | | | |
|---|---|---|---|
| Product Name | **7HF Prepared Bath** | Batch Number | **25M09C** |
| Date | **12/19/2025** | Best By Date | **12/2030** |
| Classification | **Non-Fluorescent Magnetic Particle** | Purchase Order | |

It is hereby certified that the above listed magnetic particle inspection material and batch number meets the requirements of the following specifications:

- ASME Boiler and Pressure Vessel Code, Section V, 2007-2025 Edition, Nondestructive Examination, including Paragraph T-731 (B) as applicable.
- ASTM E-709-21, Paragraphs 8.1.3, 8.5.4, 8.5.4.1 and 8.5.5
- ASTM E-3024/E3024M-22a, Paragraphs 5.5.2 and 5.5.3.
- NAVSEA T9074-AS-GIB-010/271( September 11, 2014) Paragraph 4.3.2.2- 4.3.2.4 4.3.2.6.1.
- NAVSEA 250-1500-1, Rev 19, Para.12.4.1.6,12.4.2.3,12.4.2.3.1,12.4.2.3.2
- MIL-STD-2132E, March 29, 2016, Paragraphs 6.1.3, 6.2.3, 6.2.4, 6.2.5, 6.2.6 and 6.2.7.
- The flash point of the material is over 200º F when tested by the Pensky-Marten's Closed Cup Method (ASTM D-93).
- The vehicle meets the requirements of A-A-59230, July 7, 1998 including Notice 1,2,3,4.
- The vehicle meets the requirements of AMS 2641D, Rev. 2020-10. The vehicle is classified as Type 1 according to paragraph 1.3.

It is further certified that this material does not contain mercury as a basic element and that no mercury bearing equipment has been used in its manufacture.

Batch Numbers appear on labels of bulk containers and on bottoms of aerosol cans.

Laurie Marx
Quality Control Manager



Magnaflux
155 Harlem Ave.
Glenview, IL 60025
P: 1-847-657-5300

MAGNAFLUX

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**Specification:** ISO 9934: 2015

When tested at the time of manufacture the following results were obtained.

The information is derived from our quality checks. It does not relieve the purchaser from examining the product upon delivery and gives no assurance of the product for any particular purpose.

**Organic Carrier Liquid for Magnavis® 7HF Black**

| Individual Property | Section | Requirement | Result |
|---|---|---|---|
| Flash Point | 7.7 | No Inspection | 219 |
| Fluorescence of Carrier Liquid | 7.6 | Comparison with reference (Quinine sulphate solution) | PASS |

**7HF Prepared Bath**

| Individual Property | Section | Requirement | Result |
|---|---|---|---|
| Performance | 7.1 | Performance on reference block 1 compared to standard photo.<br>Determination of lengths of reference block 2 | PASS<br>6 |
| Colour | 7.2 | Comparison with Standard Photo | PASS |
| Particle Size | 7.3 | DI (10%)=Report<br>Da or Median=Report<br>Du (90%)=Report | 1.75<br>3.52<br>5.78 |
| Fluorescent-Coefficient | 7.5 | N/A* | na |
| Viscosity, Dynamic | 7.9 | @20C<5 m Pa ·s | 1.99 |
| Mechanical Stability Short term test | 7.10 | N/A* | na |
| Foaming | 7.11 | N/A* | na |
| Storage Stability | 7.13 | Expiration date on package | yes |

*Material not used in Ultraviolet applications

**Material used in aerosol form only, mechanical stability and foaming does

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magnaflux.com



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