MAGNAFLUX

Certification

Product Name	**14AM Prepared Magnaglo Bath**	Batch Number	**26E03C**
Date	**05/27/2026**	Best By Date	**05/2031**
Classification	**Oil-based fluorescent magnetic particle**	Purchase Order	

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

- ASME Boiler and Pressure Vessel Code, Section V 2007-2025 Edition, Nondestructive paragraph-731(B) and Article 25 as applicable.
- ASTM E-709-21, Paragraphs 8.1.3, 8.5.4, 8.5.4.1 and 8.5.5.
- NAVSEA 250-1500-1, Rev 18, August 2013, Para. 12.4.1.6., 12.4.2.3, 12.4.2.3.1,and 12.4.2.3.2.
- ASTM E-1444/E1444M-26 Para. 5.5.1-2
- ASTM E-3024/E3024M-22a, Para. 5.5.2-3
- •NAVSEA T9074-AS-GIB-010/271 (September 11, 2014 Rev 1) Paragraph 4.3.2.2-4 and 4.3.2.6.1
- 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 200° 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.

Specificatio AMS 3046H

When tested according to paragraph 4.3.2, Sampling Plan A, the following test results were obtained:

Test	Section	Requirement	Result
Magnetic Particles	3.1.1	AMS 3044	Conforms
Vehicle	3.1.2	AMS 2641	Conforms
Storage Life	3.2	Meets 3.3	Conforms
Contamination	3.3.1	No foreign Material, agglomeration of scum	Conforms
Concentration	3.3.2	0.15-0.30 ml magnetic particle/100 ml >30 min.	Conforms
Sensitivity (Ring Test	3.3.3.1	7 Hole indications shown. Indications sharp, background acceptable.	Conforms
Sprayability & Leakage	3.4.1	Even spray pattern. No clogging or leakage.	Conforms
Complete Expulsion	3.4.2	Complete expulsion before exhaustion of propellant. Expelled liquid contents: 5 fl. oz. minimum.	Conforms
Gas Seepage	3.4.3	Shall be not >3cm3(3ml) per 24 hrs.	Conforms
Total Dispensing	3.4.4	Shall be not be less than label mass	Conforms
Mixability	3.4.5	Pellet present, Completly mixable.	Conforms

Approved by:

Quality Control Manager

Notes:
1. The above certification gives the results obtained at the time of manufacture. Age and use may alter the properties of any material.

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

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Specification: **ISO 9934-2: 2015**

Organic Carrier Liquid for Magnaglo® 14h

Test	Section	Requirement	Result
Flash Point	7.7	Report	243
Fluorescence of Carrier Liquid	7.6	Comparison with reference (Quinine sulphate solution)	PASS

Magnaglo® 14AM

Test	Section	Requirement	Result
Performance	7.1	Performance on reference block 1 compared to standard photo. Determination of lengths of reference block 2	EQUAL EQUAL
Colour	7.2	Comparison with Standard Photo	PASS
Particle Size	7.3	DI (10%)=Report Da (50%)=Report Du (90%)=Report	5.6 µm 8.46 µm 12.44 µm
Fluorescent-Coefficient	7.5	Shall be within 10% of the type tested value of 2.39	PASS
Viscosity, Dynamic	7.9	<5 m Pa .s@20C	3.31
Mechanical Stability Short Term Test	7.10	Indications on Reference Blocks 1 and 2 compared to indications from original sample. No discernable changes allowed.	PASS
Foaming and Storage Stability	7.11	No significant foaming	NA
Storage Stability	7.13	Expiration date on package	YES

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.

Approved by:

Quality Control Manager

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