

Product Name	14AM Prepared Magnaglo Bath	Batch Number	25L004
Date	11/04/2025	Best By Date	11/2030
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 requirements of the following specifications:

- ASME Boiler and Pressure Vessel Code, Section V 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 19, Para. 12.4.1.6., 12.4.2.3, 12.4.2.3.1, and 12.4.2.3.2.
- ASTM E-1444/E1444M-22a 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.

Specifications AMS 3045F

Test	Section	Requirement	Result
Contamination	3.3.1	No foreign material agglomeration of scum	Conforms
Concentration	3.3.2	0.1-0.4 ml magnetic particle/100ml, >30 min	Conforms
Sensitivity (Ring test)	3.3.3.1	7 Hole indications shown. Indications sharp, background acceptable.	Conforms

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

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.com

Product Name	14AM Prepared Magnaglo Bath	Batch Number	25L004
Date	11/04/2025	Best By Date	11/2030
Classification	Oil-based fluorescent magnetic particle	Purchase Order	

Specification: ISO 9934-2:2015

Organic Carrier Liquid for Magnaglo® 14AM

Test	Section	Requirement	Result
Flash Point	7.7	Report	219
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	PASS
			6
Colour	7.2	Comparison with Standard Photo	PASS
Particle Size	7.3	DI (10%)=Report Da or Median=Report Du (90%)=Report	6.925
			10.69
			15.08159
Flourescent-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	3.11
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	PASS
Storage Stability	7.13	Expiration date on package	YES

Approved by:



Quality Control Manager