

14AM Prepared Magnaglo Bath

Date: 12/09/2016

Purchase Order:

Batch #: 16M09K

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, 2004, 2007, 2010, 2013 and 2015 Edition, Nondestructive Examination, including 2005, 2006, 2008, 2009b and 2011a Addenda, Paragraph T-731(B) and Article 25 as applicable.
- ASME Boiler and Pressure Vessel Code, Section V 1995, 1998 and 2001 Edition, Nondestructive Examination, including 1995 Winder Addenda, 1999, 2000, 2002 and 2003 Addenda, Paragraphs T-752, T-731(B) and Article 25 as applicable.
- ASTM E-709-15, Paragraphs 8.1.3, 8.5.4, 8.5.4.1 and 8.5.5.
- ASTM E-1444/E1444M-16 and ASTM E-3024/E3024M-16, Paragraphs 5.5.2 and 5.5.3
- NAVSEA 250-1500-1, Rev 17 September 2007 including ACN 6, Para. 12.4.1.6., 12.4.2.3, 12.4.2.3.1, and 12.4.2.3.2.
- NAVSEA T9074-AS-GIB-010/271(April 30, 1997 including Notice 1, September 11, 2014 Rev. 1) Paragraphs 4.3.2.2, 4.3.2.3, 4.3.2.4 and 4.3.2.6.1
- MIL-STD-2132D, February 11, 2003, 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 2.
- The vehicle meets the requirements of AMS 2641C, Rev. 2015-05. 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.



Mathew Plamoottil
Quality Assurance Manager



Laurie Marx
Quality Control Manager

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Purchase Order:

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We hereby certify that the fluorescent magnetic particle inspection material
 Type 14AM Prepared Magna, Batch No. 16M09K
 Manufactured in December, 2016, furnished on the above order number
 meets the requirements of BS EN ISO 9934-2:2015 with the following results.

Organic Carrier Liquid for Magnaglo® 14AM

Individual Property	Section	Requirement	Result
Flash Point	7.7	Report	219
Fluorescence of Carrier Liquid	7.6	Comparison with reference (Quinine sulphate solution)	PASS

Magnaglo® 14AM

Individual Property	Section	Requirement	Result
Performance	7.1	Performance on reference block 1 compared to standard photo.	EQUAL
		Determination of lengths of reference block 2	EQUAL
Colour	7.2	Comparison with Standard Photo	equal
Particle Size	7.3	DI (10%)=Report	6.29
		Da (50%)=Report	9.7
		Du (90%)=Report	14.08
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	2.74
Storage Stability	7.10	Indications on Reference Blocks 1 and 2 compared to indications from original sample. No discernable changes allowed.	PASS
Storage Stability	7.11	No significant foaming	NA
Storage Stability	7.13	Expiration date on package	YES



Mathew Plamoottil
 Quality Assurance Manager



Laurie Marx
 Quality Control Manager

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