

Inspection Certificate

Abnahmeprüfungszeugnis DIN EN 10204.3.1
 Certificat De reception
 Certificado di collaudo
 Keuringsrapport



| | | | |
|----------------------------|----------------|---------------------|-----------------|
| Batch Number | 2310005 | Product Name | Magnaglo MG-601 |
| Date of Manufacture | 26/10/2023 | B.B.E. | 10/2028 |

Specification: Specification

A. ASME Boiler and Pressure Vessel Code, 2023 Edition, Section V, Non-destructive Examination.

B. ASTM E 709-15, Paragraphs 8.1.2, 8.2, 8.3, 8.5, 8.5.5, 8.5.3 & 20.6.3

C. ASTM E-1444/E144M-22A, Paragraphs 5.5.2 & 5.5.4

D. MIL-STD-2132E, March 29, 2016,

E. EN ISO 9934-2

F. KTA 3905, Paragraph B 3.2.2.2 (2)

We further certify that this material does not contain mercury as a basic element and no mercury bearing equipment was used in its manufacture.

| Test | Section | Limit | Result |
|---------------|---------|-------|--------|
| Specification | | | Passed |

Specification: AMS-3044G

We hereby certify that the above Fluorescent Magnetic Particle Inspection Material meets the requirements of Aerospace Material specification AMS-3044G, Magnetic Particles, Fluorescent, Wet method, Dry powder.

| Test | Section | Limit | Result |
|---|---------|--|---------------|
| Particle Size by Sieve (SMT 16) | 3.2.3 | Pass 45 µ mesh: 98% Min Conforms | Passed |
| Sensitivity-Ketos Ring Indications (SMT 24) | 3.2.5 | 7 Hole indications shown | 7 Indications |
| Durability | 3.2.4 | Retain initial sensitivity, colour and brightness | Passed |
| Contamination | 3.2.1 | No foreign material, scum or agglomeration | Passed |

Specification: Test Results

| Test | Section | Limit | Result |
|-----------------------------|---------|--|----------|
| Colour | | Brown | Passed |
| Colour under UV | | Fluorescence : Yellow Green | Passed |
| Particle Size - da (SMT 41) | | Report | 5.97 µm |
| Particle Size - dl (SMT 41) | | Report | 6.50 µm |
| Particle Size - du (SMT 41) | | Report | 7.29 µm |
| Fluorescent Co-Efficient | | Shall be within 10% of the type testing | 106.05 % |
| Storage Stability | | 5 Years | Passed |

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Prepared by

A handwritten signature in black ink, appearing to be 'D. J. ...'.

Approved by

A handwritten signature in black ink, appearing to be 'J. H. ...'.

Notes:

1. Our batch number appears on the label of bulk containers. Aerosols have batch numbers printed on bottom of the container.
2. Most specifications require test results stated in percent, but some require parts per million (ppm). To convert "percent" figures to "parts per million" move the decimal four places to the right.
3. MIL-STD-271, MIL-STD-2132 and ASME Sec V, all require that materials be subject to a procedure to evaporate off volatile solvents before analysis for Sulfur and Halogens. According to these specifications, only those residues higher than 0.005 g/100ml shall be analysed for Sulfur and Halogens. Lower residues shall be reported.
4. The above certification gives the results obtained at the time of manufacture. Age and use may alter the properties of any material.

FORMAT: MX 101.137 MC-09 Rev 9

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