Inspection Certificate

Abnahmeprüfungszeugnis DIN EN 10204.3.1
Certificat De reception
Certificado di collaudo
Keuringsrapport

Batch Number	**2209017**	**Product Name**	Magnaglo MG-601
Date of Manufacture	21/09/2022	**B.B.E.**	09/2027

Specification: Specification

A. ASME Boiler and Pressure Vessel Code, 2019 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	6.69 µm
Particle Size - dl (SMT 41)		Report	5.99 µm
Particle Size - du (SMT 41)		Report	7.54 µm
Fluorescent Co-Efficient		Shall be within 10% of the type testing	100.71 %
Storage Stability		5 Years	Passed

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Prepared by

Approved by

Notes:

1. Our batch number appears on the label of bulk containers. Aerosols have batch numbers printed on bottom of the container. Bulk materials have a minimum shelf life of 5 years from date of manufacture. Aerosols have a minimum shelf life of 3 years from date of manufacture.
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.

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