INSPECTION CERTIFICATE

MANUFACTURE DATUM / DATE: **15/06/2020**

Abnahme prufzeugnis DIN EN 10204 3.1
Certificat De reception
Certificado di collaudo
Keuringsrapport

SUBJECT: **Magnaglo MF 655 WB Water Based Fluorescent MPI Ink Concentrate**

BATCH No.: **2006269** **B.B.E.:** **JUN 2023**

We hereby certify that the above Magnetic Particle Inspection Material meets the requirements of the following.

A. ASME Boiler and Pressure Vessel Code, 2019 Edition, Section V, Non-destructive Examination.

B. EN ISO 9934-2

C. ASTM E1444/E1444M-16, Paragraphs 5.5.2, 5.5.3 and 5.5.4.

D. ASTM E 709-15, Paragraphs 8.1.2, 8.2, 8.3, 8.5 & 8.5.3.

E. NAVSEA 250-1500-1, (Rev. 10 June 1979, Rev. 11 May 1983, Rev. 12 December 1987 including ACN 2 Nov. 15, 1990, Rev. 13 October 1993 including ACN 4 June 30 1995, Rev 16 May 9, 2003 incl. ACN 5) Paragraph 12.4.1.6.

F. MIL-STD-2132D, 11 February 2003, Paragraph 6.1.3, 6.2.3, 6.2.4, 6.2.5, 6.2.6, 6.2.7

G. Magnetic powder used in MF 655 WB meets the requirements of AMS 3044G Para 3.2.1, 3.2.2, 3.2.3, 3.2.4. & Para 3.2.5.1 (7 indications on Test ring conforming with AS5282).

H. AFNOR NF A 09-125

I. SAE AS 4792 Rev A

J. DIN 54132

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

Certification is issued under the auspices of the Quality Assurance Manager.

(Authorised Employee)

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BATCH No.: **2006269** **B.B.E.:** **JUN 2023**

Specification: EN ISO 9934-2.

When tested at the time of manufacture the following results were obtained.

Einzeleigenschaft / ***Characteristic***	Ermittlungen nach DIN EN ISO 9934-2 Abschnitt	**Anforderungen /** ***Quality requirement***	**Ergebnis /** ***Batch testing***
Eignung ***Performance***	7.1	Anzeigefähigkeit auf Vergleichskörper 1 Ermittlung der Anzeigenlängen auf Vergleichskörper2 / (072814) *Indication on reference block 1 Indication length of reference block 2 (072814)*	sehr gut Gesamtlänge der beiden Anzeigen: 8.0 cm *very good Total length of indication: 8.0 cm*
Farbe/ ***Colour***	7.2	Hell braune Flüssigkeit *Light brown liquid*	Farbe identisch/ *Colour identical*
Korngröße/ ***Particle size***	7.3	d_a = Report d_l = Report d_u = Report	d_a =5.36
			d_l =3.42
			d_u =7.06
Fluoreszenzkoeffitient/ ***Fluorescence coefficient***	7.5	Shall be within 10% of the type testing	103.1%
Fluoreszenz der Trägerflüssigkeit/ ***Fluorescence of carrier liquid***	7.6	Nicht heller als Quinine-Sulfat-Lösung/ *Not brighter than quinine sulphate solution*	Anforderung erfüllt/ *fulfilled.*
Rostschutz nach Corrosion Inhibition	7.8.1	Keine Korrosion *No Corrosion*	Keine Korrosion *No Corrosion*
Schäumverhalten/ ***Foaming***	7.11	Keine signifikante Schaumbildung/ *No significant foaming*	Anforderungen erfüllt/ *Requirement fulfilled*
Lagerungsbeständigkeit/ ***Storage stability***	7.13		3 Jahre/ *3 years*

Vorstehende Angaben sind die Ergebnisse unserer Qualitätsprüfung. Sie entbinden den Käufer nicht von einer Eingangsprüfung und haben nicht die Bedeutung, die Eignung des Produktes für einen konkreten Einsatzzweck zuzusichern.

The above information is derived from our quality checks. It does not relieve the purchaser from examining the product upon delivery and gives no assurance of the product for any particular purpose.

Certification is issued under the auspices of the Quality Assurance Manager.

(Authorised Employee)

MX101.655 MC-61 Rev 6

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