Inspection Certificate

MANUFACTURE DATUM / DATE:11/01/2018

Abnahmeprufzeugnis DIN EN 10204 3.1
Certificat De reception
Certificado di collaudo
Keuringsrapport

SUBJECT:WB655 **Water Based Fluorescent MPI Ink Concentrate**

BATCH No.: **1801039**
B.B.E.: **JAN 2021**

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

A. ASME Boiler and Pressure Vessel Code, Section V, 2004, 2007, 2010, 2013,2015 & 2017 Edition, Nondestructive Examination, article 7, including 2005, 2006, 2008, 2009b & 2011a Addenda, Paragraphs, T731 and Article 25 as applicable.

A. EN ISO 9934-2

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

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

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

D. MIL-STD-271F(SH), 27 June 1986, Paragraphs 4.2.7, 4.3.2.1 & 4.3.2.3, including Notice 1, 21 June 1993.

E. 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

F. Magnetic powder used in MF 655 WB meets the requirements of AMS 3044F 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).

G. AFNOR NF A 09-125

H. SAE AS 4792 Rev A

I. 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)

For and on behalf of MAGNAFLUX (A DIVISION OF ITW LTD)

Magnaflux (A Division of ITW Ltd),
Faraday Road, South Dorcan Industrial Estate,
Swindon, Wiltshire, SN3 5HE, UK

Tel: +44 (0)1793 524566 Fax: +44 (0)1793 490459

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SUBJECT: **WB655 Water Based Fluorescent MPI Ink Concentrate** **BATCH No.:** 1801039

MANUFACTURE DATUM / DATE: 11/01/2018 **B.B.E.:** JAN 2021

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 beidenAnzeigen: 8.0 cm *very good Total length of indication: 8.0 cm*
Farbe/ ***Colour***	7.2	HellbrauneFlüssigkeit *Light brown liquid*	Farbeidentisch/ *Colour identical*
Korngröße/ ***Particle size***	7.3	d_l Ó1,5µm und d_u Ò40µm	MittlererKorndurchmesser 5.7 µm *Average diameter* d_a *= 5.7 µm* d_l=3.7 *µm* d_u =9.4 *µm Particle size range 1.5 – 25.0 µm*
Fluoreszenzkoeffitient/ ***Fluorescence coefficient***	7.5	ƀ > 1.5 cd/Watt	ƀ = 3.1 cd/Watt
Fluoreszenz der Trägerflüssigkeit/ ***Fluorescence of carrier liquid***	7.6	Nichthellerals Quinine-Sulfat-Lösung/ *Not brighter than quinine sulphate solution*	Anforderungerfüllt/ *fulfilled.*
Rostschutznach Corrosion Inhibition	7.8.1	KeineKorrosion *No Corrosion*	KeineKorrosion *No Corrosion*
Schäumverhalten/ ***Foaming***	7.11	KeinesignifikanteSchaumbildung/ *No significant foaming*	Anforderungenerfüllt/ *Requirement fulfilled*
Lagerungsbeständigkeit/ ***Storage stability***	7.13		3 Jahre/ *3 years*

VorstehendeAngabensind die ErgebnisseunsererQualitätsprüfung. Sie entbinden den Käufernicht von einerEingangsprüfung und habennicht die Bedeutung, die Eignung des ProduktesfüreinenkonkretenEinsatzzweckzuzusichern.

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.

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