



ZChem Specialities Pvt. Ltd.

Global Pioneer in NDT
Consumables & Equipment

NDT
MPI LPI PRODUCTS



Inspection Certificate (In accordance with EN 10204 Type-3.1)

Product: ZChek-F9

***Fluorescent Powder for Wet Method Magnetic Particle
Inspection***

Batch No.:260585

Mfg. Date: 05/2026

We certify that the above product, when tested at the time of manufacturing meets the following requirements

- *ASME Boiler and Pressure Vessel Code 2010,2013,2017,2019, 2021,2023,2025 Edition Section V, Nondestructive Examination including, Article 7, including 2005, 2006, 2008, 2009b and 2011a Addenda, paragraph T-731, paragraph T-765 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.*
- *AMS 3044H*

Parameter	Test Method	Quality requirement	Batch Result
Contamination	AMS 3044H-3.2.1	No foreign material, scum, or agglomeration	Confirms
Color	AMS 3044H-3.2.2	Fluorescent in the yellow green range	Fluorescent yellow green
Particle size	AMS 3044H-3.2.3	< 98 % of weight shall pass through 3in(76mm) diameter (Us standard) 325sieve	Confirms
Magnetic Extraction	AMS 3044H -3.2.4	Retain initial sensitivity and color	Confirms
Sensitivity	AMS 3044H -3.2.5	5 Hole indication shown	5 Hole indication shown
Durability	AMS 3044H -3.2.6	No degradation	No degradation

- *ASTM E1444/E 1444M-25, Paragraphs, 5.5.1,5.5.2,5.5.4,6.4.1,7.2.1,7.2.1.1,7.2.3,7.2.1.2.*
- *ASTM E3024/E3024M-22A. Paragraphs, 5.5.2,5.5.3,5.5.5,6.4.2,6.4.2.2.*
- *ASTM E709-21, Paragraphs, 8.1,8.1.2,8.1.3,8.2, 8.3, 8.5,8.5.4,8.5.5.10.1.1.2.*

RefNo:ZSPL/SOP-05/F04

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Sy.No. 11/2/6, Puradapalya Village
Tavarekere Hobli, Bangalore,
Karnataka - 562130, India

+91 73491 77755, +91 73492 77755

info@zchem.in



www.zchem.in



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- **EN ISO 9934-2-2015.**

Parameter	EN ISO 9934-2	Quality requirement	Batch Result
Performance	7.1	Indication on Reference block-1 Reference block-2	Pass Length-6 cm
Colour	7.2	Fluorescent Yellow green	Color identical
Fluorescence coefficient	7.5	> 1.5 cd/W	2.3 cd/W
Storage stability	7.13		5 years

Notes:

1. Bulk material has a minimum shelf life of 5 years and Aerosol has minimum shelf life of 3 years.
2. EN ISO 9934-2 (7.15) specification require test results stated in ppm, but some require in percentage. To convert ppm to percentage, divide the ppm value by 10,000.

Signature
Quality Chemist

