

**Inspection Certificate**

Abnahmeprüfungszeugnis DIN EN 10204.3.1

Certificat De reception

Certificado di collaudo

Keuringsrapport



<b>Batch Number</b>	<b>240104</b>	<b>Product Name</b>	Spotcheck SKL-SP2 Red Penetrant Aerosol
<b>Date of Manufacture</b>	31/01/2024 01/02/2024	<b>B.B.E.</b>	01/2027

**Specification: Specification**

We hereby certify that when tested at the time of manufacture, the above material:

1. Meets the requirements of and has been tested for sulfur and halogens according to:

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

b) ASTM E-165/E-165M-18, Paragraph 7.1.

c) MIL-STD-2132E, March 29, 2016, Paragraph 6.1.3.

2. Meets the requirements of EN ISO 3452-1, EN ISO 3452-2 (Sensitivity level 2), AMS 2644H and ASTM E 1417/E 1417M-21 Paragraph 5.1&amp; 6.5.1.

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

**Specification****Specification: Ion Testing Results**

Test results obtained were as follows:

Test	Section	Limit	Result
Sulphur Content			22 ppm
Halogen Content			23 ppm

**Specification: AMS 2644H Penetrant Results**

Type 2 Penetrant

Test	Section	Limit	Result
Viscosity	3.3.4		3.77 mm <sup>2</sup> /s
Penetrant Removal	3.3.8.6		Passed
Water Content (SMT 18)	3.3.8.7		0.02 %

**Specification: EN ISO 3452-2**

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

Test	Section	Limit	Result
Appearance	6.1	Equal to standard	Passed
Sensitivity for ISO 3452-2 (SMT 58)	6.2	Level 2	Passed
Density (SMT 50)	6.3	0.806 - 0.890 g/cm <sup>3</sup>	0.854 g/cm <sup>3</sup>
Corrosive Properties	6.11	No Corrosion on Magnesium Alloy	Passed
Water Content for EN ISO 3452-2	6.20	<5% (Water Wash Pen Only)	0.02 %
Halogen Content	6.12	<200ppm	23 ppm
Sulphur Content	6.12	<200ppm	22 ppm
Flashpoint (SMT 14)	6.5	93°C Min for Bulk	105.5 °C
Viscosity	6.4 in EN ISO 3452-2	3.40 – 4.14 mm <sup>2</sup> /s @ 38°C	3.77 mm <sup>2</sup> /s

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**Prepared by**

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

**Approved by**

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

### 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 24

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