

Inspection Certificate

Abnahmeprüfungszeugnis DIN EN 10204.3.1
 Certificat De reception
 Certificado di collaudo
 Keuringsrapport



Batch Number	230804	Product Name	Spotcheck SKL-WP2 Water Washable Red Penetrant Aerosol
Date of Manufacture	22/08/2023 23/08/2023	B.B.E.	08/2026

Specification: 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) Anion analysis by ASTM D129 decomposition followed by Ion Chromatography method Annex A4.

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

d) 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& 6.5.1.

3. Conforms to the chemical specifications of the PMUC reference 08-228.

4. 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: Ion Testing Results

Test results obtained were as follows:

Test	Section	Limit	Result
Halogen Content			44 ppm
Sulphur Content			9 ppm

Specification: AMS 2644H Penetrant Test Results

Type 2 Penetrant

When sampled and tested according to paragraph 4.3.2 section 4.2.2.1 of AMS 2644H the following results were obtained:

Test	Section	Limit	Result
Viscosity	3.3.4		7.72 mm ² /s
Water Tolerance (SMT 2)	3.3.8.5		Passed
Penetrant Removal	3.3.8.6		Passed
Water Content (SMT 18)	3.3.8.7		0.10 %
Flashpoint (SMT 14)	3.3.3		103.5°C

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	0.839 – 0.927 g/cm ³ @ 20°C	0.879 g/cm ³
Dynamic Viscosity	6.4	7.16 – 8.76 mm ² /s @ 38°C	7.72 mm ² /s
Washability (SMT 47)	6.6	Equal to Std (Water Wash Pen Only)	Passed
Corrosive Properties	6.11	No Corrosion on Magnesium Alloy	Passed
Sulphur (SMT 43)	6.12	<200ppm	9 ppm
Halogen (SMT 43)	6.12	<200ppm	44 ppm

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Water Content for EN ISO 3452-2	6.20	< 5% (Water Wash Pen Only)	0.10 %
Flashpoint (SMT 14)	6.5 in EN ISO 3452-2	93°C Min for Bulk	103.5°C

--- EOR ---

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.
- 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.