Certification

Product Name	**ZL-405**	Batch Number	**26K049**
Date	**10/15/2026**	Best By Date	**10/2031**
Classification	**Type 1 Level 1/2 Method A(W) Water-Based Penetrant**	Purchase Order	

Specification: **ISO 3452-2**

When tested according to paragraph 4.3.2, Sampling Plan A, the following test results were obtained:

- 5.4.1 Table 1

Test	Section	Requirement	Result
Appearance	6.1	Yellow Liquid	PASS
Sensitivity	6.2	Equal to or better than Standard	PASS
Density	6.3	1.000-1.024@ 20°C (68°F)	1.012 %
Viscosity	6.4	4.50-5.50cSt @37. 8 °C(100°F)	4.722
Washablity	6.6	Equal to or better than Standard	PASS
Brightness	6.7	> 50 %	58.94
Flashpoint	6.5	> 200°F (93°C)	PASS
Corrosive Properties (AL)	6.11.3.2	No evidence of staining, pitting or corrosion	PASS
Sulfur	6.12	< 200 ppm	11
Halogens (Chloride & Fluoride	6.12	< 200 ppm	<10
Water Content	6.20	Report	77.57

It is further certified that this material does not contain mercury as a basic element and that no mercury bearing equipment has been used in its manufacture.

Approved by:

Quality Control Manager

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-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.

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