

# LASER OPTICAL DENSITY CERTIFICATION

## D AB5

Supplier: Shaver Industries, Inc.  
Purchase Order Number: 5036  
Part Number: N/A  
Product Desc. Laser Barrier Material

Cert. Number: 77362  
Date: December 7, 2023

Requirements: EN12254: 2010, Paragraph 3.3 Screens For Laser Working Places-Safety  
Requirements and Testing. Table B.1 1050-1400 nm Range.

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### TEST PARAMETERS

Coating Type: None  
Test Wavelength: 1070 nm  
Polarization: N/A  
Pulse Width (FWHM): CW  
Spot Diameter (1/e): 1.00 mm  
Test Prep: N<sub>2</sub> blow  
Quantity: 3

Substrate Material: Barrier  
Incidence Angle: 0°  
PRF : CW  
Transverse Mode: TEM<sub>00</sub>  
Axial Modes: Multiple  
Number of Sites: 1  
Exposure Duration: 5 sec

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TEST RESULTS: Sample meets requirements of AB5. Equivalent of 250 W/cm<sup>2</sup> with no penetration.

COMMENTS: Sample tested beyond AB5. Penetration occurred at AB6 and at an irradiance of 300 W/cm<sup>2</sup>.

**Spica Technologies certifies that this sample has been exposed to the parameters described above. All test and calibration data are maintained on file. All instrument calibration is traceable to NIST.**

Test conducted by -



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