

# LASER OPTICAL DENSITY CERTIFICATION

## D, AB5

Supplier: Thorlabs Limited  
Purchase Order Number: EO-396767  
Part Number: F002  
Requirements: EN 12254: 2010(E), Paragraph 5.3 Resistance to Laser Radiation, Table 2.  
1050-1400 nm Range.

Cert. Number: 59995  
Date: August 17, 2018

### TEST PARAMETERS

Coating Type: N/A	Substrate Mat'l: Fabric
Test Wavelength: 1070 nm	Incidence Angle: 0°
Polarization: Linear	PRF : CW
Pulsewidth (FWHM): N/A	Transverse Mode: TEM <sub>00</sub>
Spot Diameter (1/e): 1.00 mm	Axial Modes: Multiple
Test Prep: None	Number of Sites: 1
Quantity: 3	Exposure Duration: 100 seconds

### TEST RESULTS:

<u>Sample</u>	<u>Measurement Level</u>
16	Sample maintains AB5 during irradiation.
17	Sample maintains AB5 during irradiation.
18	Sample maintains AB5 during irradiation.

COMMENTS: Laser penetrated fabrics at AB6.

**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 \_\_\_\_\_

  
**Spica**  
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