

# LASER OPTICAL DENSITY CERTIFICATION

## R, AB2

Supplier: Thorlabs Limited  
Purchase Order Number: EO-265946  
Requirements: EN 12254: 2010(E), Paragraph 5.3 Resistance to Laser Radiation, Table 2.  
1400-10,600 nm Range.

Cert. Number: 51502  
Date: September 29, 2015

### TEST PARAMETERS

Coating Type: n/a	Substrate Mat'l: Fabric
Test Wavelength: 10.6 $\mu\text{m}$	Incidence Angle: 0°
Polarization: Linear	PRF: 1 Hz
Pulsewidth (Square): 100 ns	Transverse Mode: TEM <sub>00</sub>
Spot Diameter (1/e): 1.015 mm	Axial Modes: Multiple
Test Prep: None	Number of Sites: 1
Quantity: 3	Exposure Duration: 1000 seconds

### TEST RESULTS:

<u>Sample</u>	<u>Measurement Level</u>
12	Sample maintains AB2 during irradiation.
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COMMENTS: Laser penetrated fabric at AB3.

**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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