

# LASER OPTICAL DENSITY CERTIFICATION

## R AB4

Supplier: Thorlabs Limited  
Purchase Order Number: EO-396767  
Part Number: F002

Cert. Number: 59992  
Date: August 28, 2018

Requirements: EN 12254: 2010(E), Paragraph 5.3 Resistance to Laser Radiation, Table 2.  
180-315 nm Range.

### TEST PARAMETERS

Coating Type: N/A  
Test Wavelength: 266 nm  
Polarization: Linear  
Pulsewidth (FWHM): 5 ns  
Spot Diameter (1/e): 0.907 mm  
Test Prep: N<sub>2</sub> blow  
Quantity: 3

Substrate Material: Fabric  
Incidence Angle: 0°  
PRF : 10 Hz  
Transverse Mode: n/a  
Axial Modes: TEM<sub>00</sub>  
Number of Sites: 1  
Exposure Duration: 100 seconds

### TEST RESULTS:

<u>Sample</u>	<u>Measurement Level</u>
7	Sample maintains AB4 during irradiation.
8	Sample maintains AB4 during irradiation.
9	Sample maintains AB4 during irradiation.

COMMENTS: Samples Fail at AB5.

**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**  
Technologies Inc.

18 Clinton Drive #3  
Hollis, NH 03049  
[www.spicatech.com](http://www.spicatech.com)  
603-882-8233