

# LASER OPTICAL DENSITY CERTIFICATION

## R AB7

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. 315-1400 nm Range.

Cert. Number: 59997  
Date: August 24, 2018

### TEST PARAMETERS

Coating Type: N/A  
Test Wavelength: 1064 nm / 532 nm  
Polarization: Random  
Pulsewidth (square): 10 ns  
Spot Diameter (1/e): 1.00 / 0.939 mm  
Test Prep: N<sub>2</sub> blow  
Quantity: 3

Substrate Material: Fabric  
Incidence Angle: 0°  
PRF : 5 Hz  
Transverse Mode: TEM<sub>00</sub>  
Axial Modes: Multiple  
Number of Sites: 1  
Exposure Duration: 1000 shots/site

### TEST RESULTS:

<u>Sample</u>	<u>Measurement Level</u>
22	Sample maintains AB7 during irradiation.
23	Sample maintains AB7 during irradiation.
24	Sample maintains AB7 during irradiation.

COMMENTS: Laser penetrates samples at AB8.

**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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