

LASER OPTICAL DENSITY CERTIFICATION

I, AB4

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: 51501
Date: September 29, 2015

TEST PARAMETERS

Coating Type: n/a	Substrate Mat'l: Fabric
Test Wavelength: 10.6 μm	Incidence Angle: 0°
Polarization: Linear	PRF : 10 Hz
Pulsewidth (Square): 3 ms	Transverse Mode: TEM ₀₀
Spot Diameter (1/e): 1.029 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>
11	Sample maintains AB4 during irradiation.
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COMMENTS: Laser penetrated fabric 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 _____


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