

OPTICAL DENSITY/LASER RESISTANCE CERTIFICATION

PASS

Supplier: Shaver Industries Inc.
Purchase Order #: 4970
Part Number: N/A
Lot#: N/A
Serial Number: N/A

Cert. Number: 77174
Date: November 17, 2023

Requirements: ANSI Z136.7-2020:Appendix G, Laser Barrier Testing Protocol

TEST PARAMETERS

Coating Type: None
Test Wavelength: 1070 nm
Polarization: Random
Pulse Width (FWHM): NA
Spot Diameter ($1/e^2$): 3.04mm
Test Prep: None
Quantity: 3

Substrate Material: Laser Barrier
Incidence Angle: 0°
PRF: CW
Transverse Mode: TEM₀₀
Axial Modes: Multiple
Number of Sites: 1
Exposure Duration: 100 seconds

TEST RESULTS:

<u>Irradiance (W/cm²)</u>	<u>Result</u>
40	Pass (3/3)
50	Pass (3/3)
60	Pass (3/3)
65	Penetration (1/2)
70	Penetration (1/1)
75	Penetration (1/1)

COMMENTS: 3 samples tested at 60 W/cm² with no penetration. Optical density maintained at this irradiance level. Samples certified to 60 W/cm².

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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