

# LASER DAMAGE RESISTANCE CERTIFICATION

## PASS

Supplier: HOLO-OR Ltd.  
Purchase Order #: PO21004134  
Part Number: Patterned ZnSe DOE, Coated #1  
Lot# II-1582  
Requirements: 0.02 MW/cm<sup>2</sup>, peak irradiance.

Cert. Number: 69860  
Date: July 1, 2021

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### TEST PARAMETERS

Coating Type: AR  
Test Wavelength: 10.6 um  
Polarization: Random  
Pulsewidth (FWHM): N/A  
Spot Diameter (1/e<sup>2</sup>): 285 um  
Test Prep: None  
Quantity: 1

Substrate Material: ZnSe  
Incidence Angle: 0°  
PRF: CW  
Transverse Mode: TEM<sub>00</sub>  
Axial Modes: Multiple  
Number of Sites: 10  
Exposure: 60 seconds/site

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TEST RESULTS: No damage observed using 150x Nomarski brightfield microscope.

COMMENTS: None.

**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