



LASER DAMAGE CERTIFICATION

PASS

946.1 MW/cm² or 20.0 J/cm²

Customer: Hind High Vacuum Co.
Purchase Order No: PTFD/2016160721

Certificate No.: 171646 #1
Issued: 4/14/2017

Substrate Material: UV FS
Part No: HR Mirror
1

Coating Type: Ion assisted E-beam
Lot Number: N/A
Arrow Side

Special Requirements: Per PO

Wavelength (nm): 1064
Rep. Freq. (Hz): 20
Pulse Width (ns): 20
Axial Modes: Multiple
No. Sites: 10

Spot Diam. (mm): 0.507
Incidence Ang. (deg.): Normal
Polarization State: Linear
Transverse Modes: TEM₀₀
No. Shots/Site: >200

Preparation: N2 Dustoff
Damage Definition: Permanent Surface Change
Inspection Method: Nomarski/Darkfield 150x
Fail Criterion: Fail if damage at any site

Notes:

"Quantel USA certifies that the Laser Damage Resistance of this sample was tested as shown hereon. Fluence measurement precision was plus or minus 10% traceable to NIST. The pulse width may be Root T scaled as required. Specific calibration data are maintained in this office and are available on request. We certify that this test report conforms to all applicable provisions of the purchase order."

Gary Shaffer

QUANTEL-USA, INC 601 Haggerty Lane, Suite C • Bozeman, MT 59715
Tel. +1 406 586 0131 • Fax +1 406 586 2924 • www.quantel-laser.com