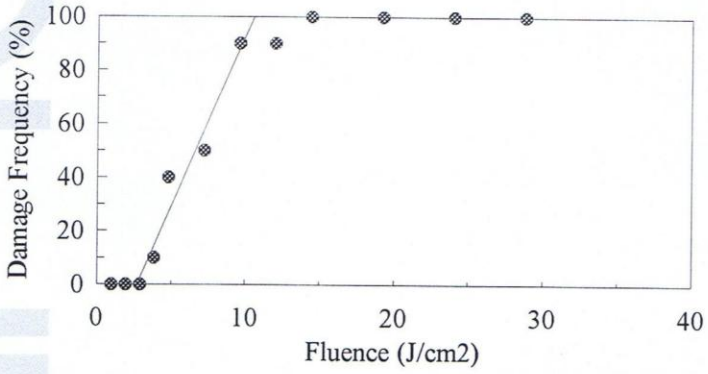
LASER DAMAGE THRESHOLD

Customer:	ONDAX	Certificate No.:	11290 #1
Purchase Order Number:	060076	Issued:	Feb. 14, 2006
Substrate Material:	Unknown	Coating Type:	Unknown
Part No.:	5342	Lot No.:	Cast 56<1
Special Requirements:	Per P.O.		
Wavelength (nm):	1064	Spot Diam. (FW/e2, mm):	.5
Repetition Freq. (Hz):	20	Incidence Angle (deg.):	0
Pulse Width (FWHM, ns):	20	Polarization State:	Linear
Axial Modes:	Multiple	Transverse Modes:	TEMoo
No. Sites Tested:	100	No. Shots/Site:	200
Damage Definition:	Permanent surface change	Inspection Method:	Nomarski/Darkfield 150X
Preparation:	N2 Dustoff		



J/cm2	MW/cm2	%Fail
28.8	1311	100
24	1093	100
19.2	874	100
14.4	656	100
12	546	90
9.62	437	90
7.21	328	50
4.81	219	40
3.85	175	10
2.88	131	0
1.92	87.4	0
0.96	43.7	0

Test Results: Damage Threshold: **2.69** J/cm2 or **122.1** MW/cm2
Damage Type: Non-propagating pit(s)

Notes: Flash pit, in bulk.

"Big Sky Laser Technologies, Inc., certifies that the Laser Damage Threshold of this sample was tested as shown hereon. Fluence measurement precision was plus or minus 10%, traceable to NIST. The test method was substantially in agreement with ISO 11254. 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."

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