

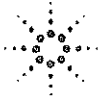
**Agilent Technologies**

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 Australia <http://www.agilent.com>

## CUSTOMER TEST CERTIFICATE

Model	Cary-5000
Serial Number	UV1103M381
Test Frequency	60 Hz
Date	05 Apr 2011

Test Description	Specifications	Results	Status
<b>Wavelength Accuracy</b>			
at 0.00 nm	[ -0.10 to 0.10 nm ]	-0.066 nm	PASS
at 486.0 nm	[ 485.92 to 486.08 nm ]	485.995 nm	PASS
at 656.1 nm	[ 656.02 to 656.18 nm ]	656.100 nm	PASS
at 1312.2 nm	[ 1311.80 to 1312.60 nm ]	1312.260 nm	PASS
at 1968.3 nm	[ 1967.90 to 1968.70 nm ]	1968.360 nm	PASS
at 3280.5 nm	[ 3279.93 to 3281.07 nm ]	3280.340 nm	PASS
<b>Wavelength Reproducibility Test</b>			
at 656.10 nm	[ <= 0.025 nm ]	0.0020 nm	PASS
at 1312.2 nm	[ <= 0.100 nm ]	0.0200 nm	PASS
<b>Spectral Bandwidth Accuracy</b>			
SBW at 0.01R nm	[ <= 0.048 nm ]	0.0380 nm	PASS
SBW at 0.01 nm	[ N/A ]	0.0350 nm	PASS
SBW at 0.10 nm	[ 0.060 to 0.140 nm ]	0.1200 nm	PASS
SBW at 2.00 nm	[ 1.80 to 2.20 nm ]	2.048 nm	PASS
SBW at 5.00 nm	[ 4.50 to 5.50 nm ]	5.012 nm	PASS
<b>Baseline Flatness Test</b>			
Uncorrected Baseline	[ N/A ]	0.092 Abs	PASS
First Corrected Baseline	[ <= 0.0012 Abs ]	0.00018 Abs	PASS
Difference Spectrum	[ N/A ]	0.00008 Abs	PASS
<b>Photometric Noise Test at 500 nm</b>			
at 0.0/0.0 Abs	[ <= 0.000030 Abs ]	0.0000052 Abs	PASS
at 3.0/1.5 Abs	[ <= 0.00030 Abs ]	0.000058 Abs	PASS
at 6.0/3.0 Abs	[ <= 0.0045 Abs ]	0.00026 Abs	PASS
<b>Photometric Noise Test at 1500 nm</b>			
at 0.0/0.0 Abs	[ <= 0.000030 Abs ]	0.0000026 Abs	PASS
at 3.0/1.5 Abs	[ <= 0.0070 Abs ]	0.00053 Abs	PASS



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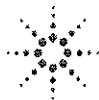
Model Cary-5000  
Serial Number UV1103M381  
Test Frequency 60 Hz  
Date 05 Apr 2011

Test Description	Specifications	Results	Status
<b>Stray Light Test</b>			
NaI at 220 nm	[ <= 0.000070 %T ]	0.0000450 %T	PASS
NaNo2 at 370 nm	[ <= 0.000070 %T ]	0.0000380 %T	PASS
H2O at 1420 nm	[ <= 0.00020 %T ]	0.000001 %T	PASS
CHCL3 at 2365 nm	[ <= 0.00045 %T ]	0.000112 %T	PASS

Operator Name: Chris Kourtidis

Signed:

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CHRIS KOURTIDIS



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## CUSTOMER TEST CERTIFICATE

Model DRA-CA-1800  
Serial Number UV1108M192  
Test Frequency 50 Hz  
Date 17 Aug 2011

Test Description	Specifications	Results	Status
<b>Baseline Flatness</b>			
Uncorrected Baseline	[ <= 0.55 Abs ]	0.214 Abs	PASS
First Corrected Baseline	[ <= 0.0016 Abs ]	0.00024 Abs	PASS
Maximum Departure	[ N/A ]	0.00012 Abs	PASS
<b>Photometric Noise</b>			
Noise at 500 nm	[ <= 0.00012 Abs ]	0.000022 Abs	PASS
Noise at 1200 nm	[ <= 0.00010 Abs ]	0.000004 Abs	PASS

Operator Name: EVANGELOS VACOUFTSIS

Signed:

  
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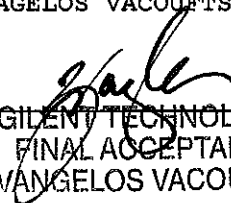
## CUSTOMER TEST CERTIFICATE

Model DRA-CA-1800  
Serial Number UV1105M476  
Test Frequency 50 Hz  
Date 17 May 2011

Test Description	Specifications	Results	Status
<b>Baseline Flatness</b>			
Uncorrected Baseline	[ <= 0.55 Abs ]	0.210 Abs	PASS
First Corrected Baseline	[ <= 0.0016 Abs ]	0.00042 Abs	PASS
Maximum Departure	[ N/A ]	0.00011 Abs	PASS
<b>Photometric Noise</b>			
Noise at 500 nm	[ <= 0.00012 Abs ]	0.000022 Abs	PASS
Noise at 1200 nm	[ <= 0.00010 Abs ]	0.000005 Abs	PASS

Operator Name: EVAGELOS VACOUFTSIS

Signed:

  
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# VARIAN

## CUSTOMER TEST CERTIFICATE

Accessory Model DRA-CA-1800  
 Serial Number 0822118477  
 Test Equipment Cary-5000  
 Test Frequency 60 Hz  
 Date 22 Aug 2011

Test Description	Specifications	Results	Status
<b>Baseline Flatness</b>			
Uncorrected Baseline			
First Corrected Baseline	[ <= 0.55 Abs ]	0.082 Abs	PASS
Maximum Departure	[ <= 0.0016 Abs ]	0.00022 Abs	PASS
	[ N/A ]	0.00012 Abs	PASS
<b>Photometric Noise</b>			
Noise at 500 nm	[ <= 0.00012 Abs ]	0.000036 Abs	PASS
Noise at 1200 nm	[ <= 0.00010 Abs ]	0.000007 Abs	PASS
<b>Zero Transmission</b>			
Electronic Zero error at 500 nm			
Photometric Zero error at 500 nm	[ -0.005 to 0.005 %T ]	-0.0001 %T	PASS
Electronic Zero error at 1200 nm	[ -0.45 to 0.45 %T ]	0.325 %T	PASS
Photometric Zero error at 1200 nm	[ -0.05 to 0.05 %T ]	0.021 %T	PASS
	[ -0.45 to 0.45 %T ]	0.332 %T	PASS
<b>Specular Rejection</b>			
Specular component excluded	[ <= 1.50 %T ]	0.932 %T	PASS
Specular component included	[ 80 to 105 %T ]	91 %T	PASS
<b>SBW vs Wavelength 2000 to 1 signal to noise (UV-VIS Range)</b>			
SBW at 799 nm	[ N/A ]	0.6876 nm	PASS
SBW at 700 nm	[ N/A ]	0.3168 nm	PASS
SBW at 500 nm	[ N/A ]	0.2307 nm	PASS
SBW at 400 nm	[ N/A ]	0.494 nm	PASS
SBW at 300 nm	[ N/A ]	1.1316 nm	PASS
SBW at 250 nm	[ N/A ]	0.8594 nm	PASS

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**VARIAN**

**CUSTOMER TEST CERTIFICATE**

Accessory Model      DRA-CA-1800  
Serial Number        0822118477  
Test Equipment       Cary-5000  
Test Frequency       60 Hz  
Date                    22 Aug 2011

Test Description	Specifications	Results	Status
SBW vs Wavelength 1000 to 1 signal to noise (NIR Range)			
SBW at 1600 nm	[ N/A ]	0.1866 nm	PASS
SBW at 1200 nm	[ N/A ]	0.1446 nm	PASS
SBW at 900 nm	[ N/A ]	0.3597 nm	PASS
SBW at 801 nm	[ N/A ]	1.2077 nm	PASS

Operator Name:            Jen Paine

Signed:



# Declaration of Conformity

We hereby declare that the equipment listed below complies with the requirements of:  
The Low Voltage Directive 73/23/EEC (93/68/EEC)  
The EMC Directive 89/336/EEC (92/31/EEC and 93/68/EEC)

### Applicable Standards

LVD	BS EN 61010-1:1993		
EMC	EN 61326:1997	EN 55011:1998	BSEN 61000-4-2:1995
	A1:1998	A1:1999	
	EN 61000-4-3:1995		
	A1:1998		

Equipment Model Number      External DRA 900/1800/2500

### Authorized Representative in the EU

Name: G. A. Wassink	Company Name	Varian BV
<i>G. Wassink</i>	Address	Herculesweg 8
Signed:		4330 EA Middelburg
		The Netherlands
Position: Quality Manager	Telephone	+31 (0) 118 671 000
Date: 1 August 2003	Facsimile	+31 (0) 118 633 118

### Manufacturer

Name: R. A. Sprague	Company Name	LABSPHERE Inc.,
<i>R. A. Sprague</i>	Address	231 Shaker Street,
Signed:		North Sutton, NH
		03260, USA
Position: Quality Manager	Telephone	+ 1 603 927 4266
Date: 1 August 2003	Facsimile	+1 603 927 4694

