Lab Advisor Diagnostic Result — CHIESI_HPL-001

G1315B — **Dark Current Test** — **Passed**

DE22616158
A.07.02[001]
DAD

The test measures the dark current from the detector optic.

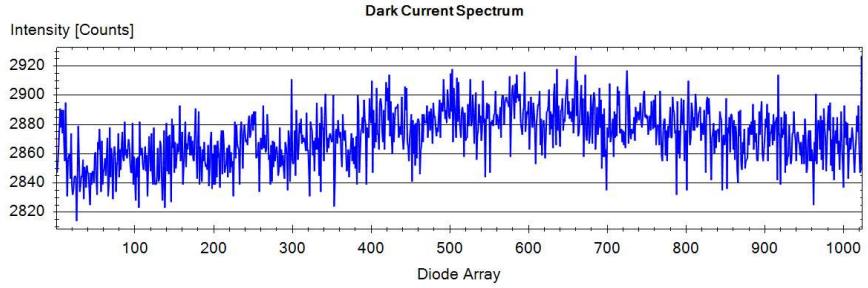
Started at 20/08/2026 13:42:09 by QPACK-1019\VandiIso on QPACK-1019 using Agilent Lab Advisor - Version B.02.10 [253] SP1 - Advanced

Results

Item	Value	Result
Dark Current Minimum	2814 Counts	
Dark Current Range	*0 ... 12000 Counts*	Passed
Dark Current Average	2872 Counts	
Dark Current Range	*0 ... 12000 Counts*	Passed
Dark Current Maximum	2927 Counts	
Dark Current Range	*0 ... 12000 Counts*	Passed

Finished at 20/08/2026 13:42:35

Signals



Signature: .....

G1315B **Holmium Oxide Test** **Passed**

DE22616158
A.07.02[001]
DAD

The test measures the Holmium spectrum from the built-in Holmium filter. The spectrum is evaluated for peaks at different wavelengths.

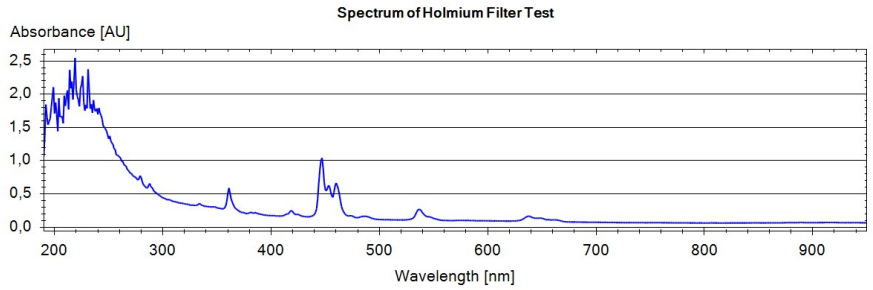
Started at 20/08/2026 13:30:03 by QPACK-1019\VandiIso on QPACK-1019 using Agilent Lab Advisor - Version B.02.10 [253] SP1 - Advanced

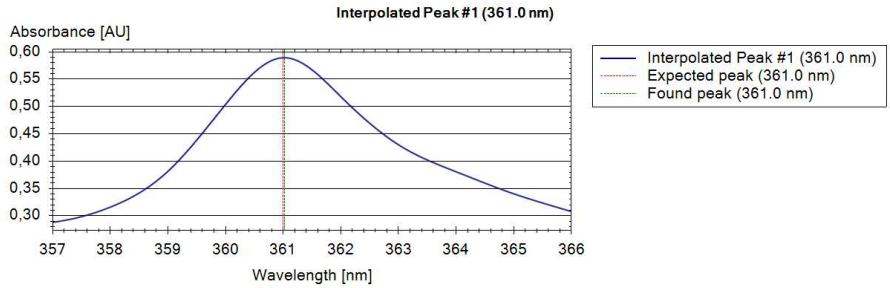
Results

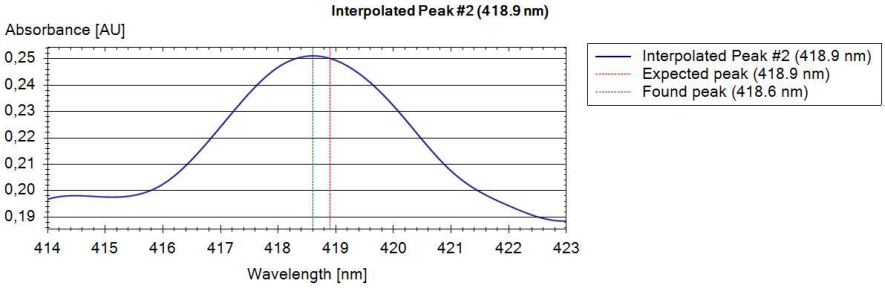
Item	Value	Result
Accumulated UV Lamp Burn Time	3945,49 h	Done
UV Lamp On-Time	0,02 h	Done
Accumulated Vis Lamp Burn Time	2963,13 h	Done
Vis Lamp On-Time	0,02 h	Done
Holmium Deviation to 361.0 nm	0,02 nm	
Holmium Deviation Limit	*-1 ... 1 nm*	Passed
Holmium Deviation to 418.9 nm	-0,30 nm	
Holmium Deviation Limit	*-1 ... 1 nm*	Passed
Holmium Deviation to 453.7 nm	-0,54 nm	
Holmium Deviation Limit	*-1 ... 1 nm*	Passed
Holmium Deviation to 536.7 nm	-0,13 nm	
Holmium Deviation Limit	*-1 ... 1 nm*	Passed

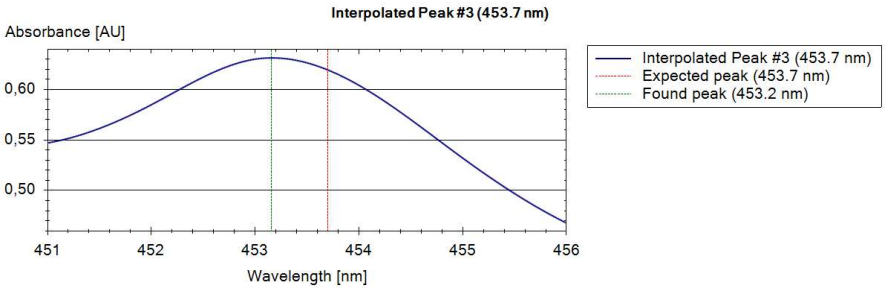
Finished at 20/08/2026 13:30:53

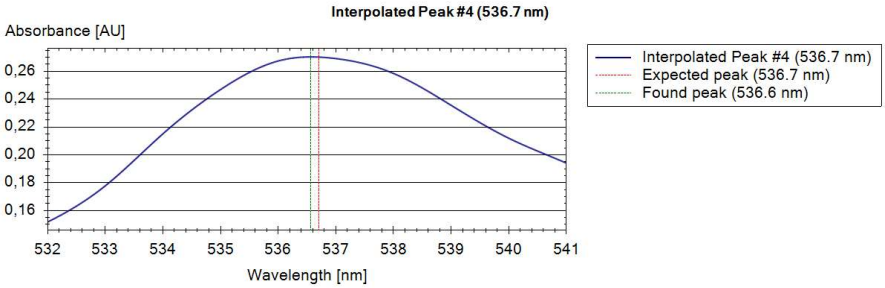
Signals






Interpolated Peak #2 (418.9 nm)
Absorbance [AU]
0,25
0,24
0,23
0,22
0,21
0,20
0,19
414 415 416 417 418 419 420 421 422 423
Wavelength [nm]
Interpolated Peak #2 (418.9 nm)
Expected peak (418.9 nm)
Found peak (418.6 nm)


Interpolated Peak #3 (453.7 nm)
Absorbance [AU]
0,60
0,55
0,50
451 452 453 454 455 456
Wavelength [nm]
Interpolated Peak #3 (453.7 nm)
Expected peak (453.7 nm)
Found peak (453.2 nm)


Interpolated Peak #4 (536.7 nm)
Absorbance [AU]
0,26
0,24
0,22
0,20
0,18
0,16
532 533 534 535 536 537 538 539 540 541
Wavelength [nm]
Interpolated Peak #4 (536.7 nm)
Expected peak (536.7 nm)
Found peak (536.6 nm)

Signature: .....

Tasks

Lab Advisor

- System Overview
- Configuration
- Apps
- Firmware Update
- Logs & Results

CHIESI_HPL-001

- Service & Diagnostics
- Instrument Control
- EMFs
- System Report

Help

- Context Help (F1)
- Help Topics
- What's New?

Filter

(•) All Counters ( ) Counters with Limit

Title	Value	Unit	Limit	Progress
System Name				
G1315B DAD — Serial # DE22616158				
Accumulated UV Lamp On-Time	3946,18	h	0	0%
Number of UV Lamp Ignitions	124	Count	0	0%
Accumulated Tungsten Lamp On-Time	2963,82	h	0	0%
Number of Tungsten Lamp Ignitions	24	Count	0	0%

Activate EMF | Deactivate EMF | Refresh Counters

G1315B **Self Test** **Failed**

DE22616158
A.07.02[001]
DAD

The DAD self-test runs a series of individual tests, and evaluates the results automatically.

Results

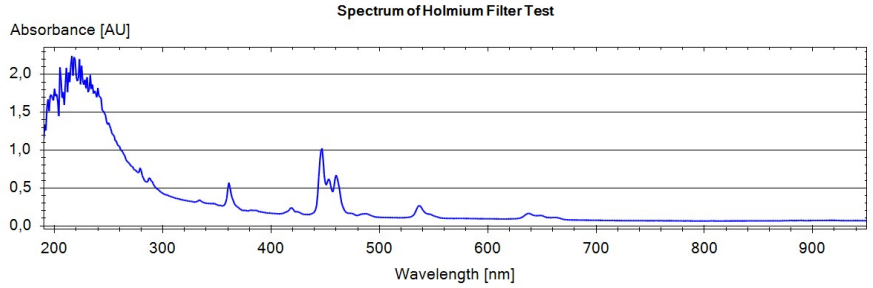
Started at 20/08/2026 14:11:40 by QPACK-1019\VandiIso on QPACK-1019 using Agilent Lab Advisor - Version B.02.10 [253] SP1 - Advanced

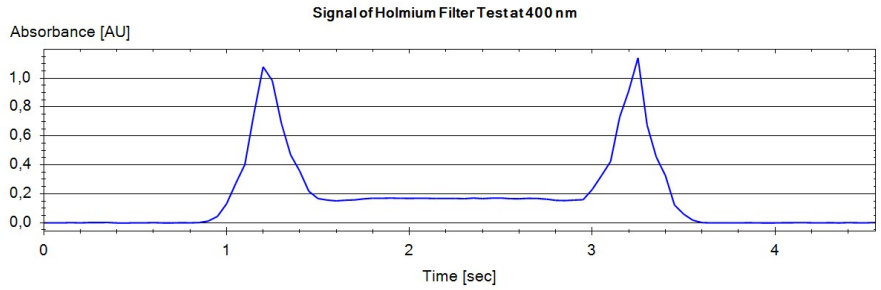
Item	Value	Result
UV Lamp On-Time	0,72 h	
Minimum Lamp On-Time	*0,17 h*	Passed
Accumulated Vis Lamp Burn Time	2963,83 h	Done
Vis Lamp On-Time	0,72 h	
Minimum Lamp On-Time	*0,17 h*	Passed
Holmium Filter Absorbance at 400 nm	0,16 AU	
Filter Test Limit	*0,005 ... 0,5 AU*	Passed
Slit Test Result	0,91	
Slit Test Limit	*0,7 ... 1,3*	Passed
Dark Current Minimum	2814 Counts	
Dark Current Range	*0 ... 12000 Counts*	Passed
Dark Current Maximum	2937 Counts	
Dark Current Range	*0 ... 12000 Counts*	Passed
Lowest Intensity in Range 190 - 220 nm	355 Counts	
Lowest Intensity in Range 190 - 220 nm	*2000 ... 65000 Counts*	Failed
Lowest Intensity in Range 221 - 350 nm	1581 Counts	
Lowest Intensity in Range 221 - 350 nm	*5000 ... 65000 Counts*	Failed
Lowest Intensity in Range 351 - 500 nm	1205 Counts	
Lowest Intensity in Range 351 - 500 nm	*2000 ... 65000 Counts*	Failed
Lowest Intensity in Range 501 - 950 nm	2501 Counts	
Lowest Intensity in Range 501 - 950 nm	*4000 ... 65000 Counts*	Failed
Highest Intensity in Range 190 - 350 nm	3387 Counts	
Highest Intensity in Range 190 - 350 nm	*2000 ... 450000 Counts*	Passed
Highest Intensity in Range 700 - 950 nm	13851 Counts	
Highest Intensity in Range 700 - 950 nm	*2000 ... 300000 Counts*	Passed
Highest Intensity for D2 Alpha Line (600 - 700 nm)	32709 Counts	
Highest Intensity for D2 Alpha Line	*2000 ... 1200000 Counts*	Passed
D2 Alpha Line Deviation	0,066 nm	
WL Calibration Limit for Alpha Line	*-0,5 ... 0,5 nm*	Passed
D2 Beta Line Deviation	-0,010 nm	
WL Calibration Limit for Beta Line	*-0,5 ... 0,5 nm*	Passed
D2 Alpha Line	656,166 nm	Done
D2 Beta Line	485,990 nm	Done

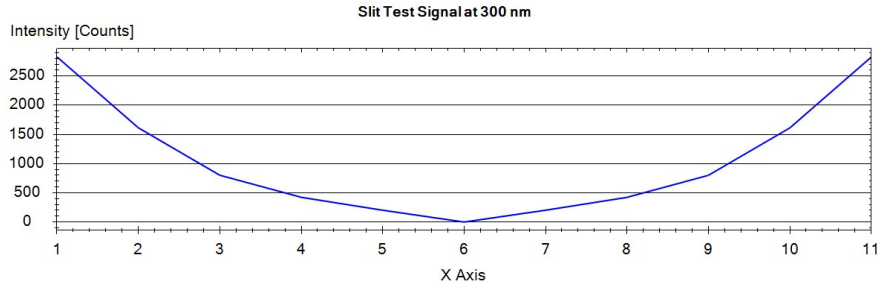
Item	Value	Result
Holmium Deviation to 361.0 nm	0,01 nm	
Holmium Deviation Limit	*-1 ... 1 nm*	Passed
Holmium Deviation to 418.9 nm	-0,32 nm	
Holmium Deviation Limit	*-1 ... 1 nm*	Passed
Holmium Deviation to 453.7 nm	-0,49 nm	
Holmium Deviation Limit	*-1 ... 1 nm*	Passed
Holmium Deviation to 536.7 nm	0,22 nm	
Holmium Deviation Limit	*-1 ... 1 nm*	Passed
Spectral Flatness	0,0005 AU	
Spectral Flatness Test Limit	*0,002 AU*	Passed
Signal Noise value at 254 nm (UV)	0,733 mAU	
Maximum Allowed Noise	*0,02 mAU*	Failed

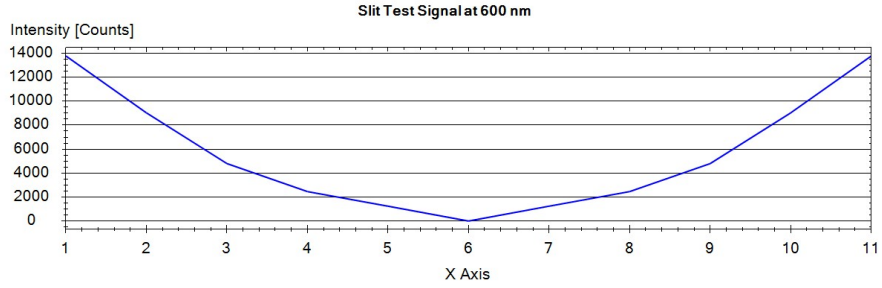
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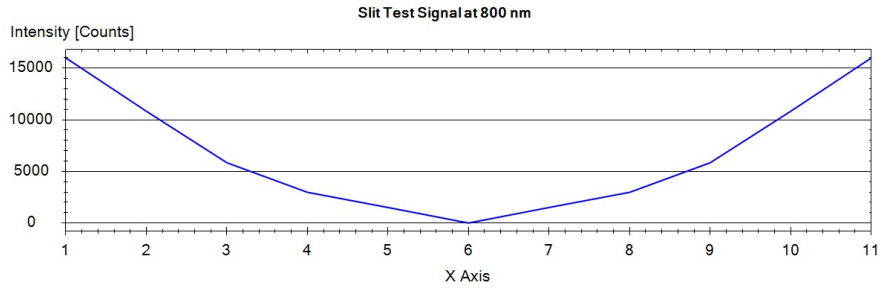
Signals

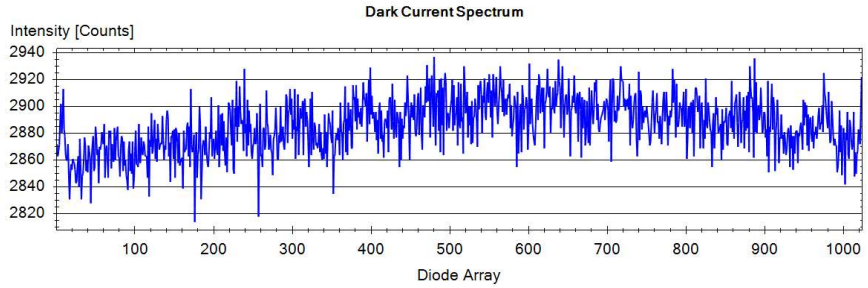


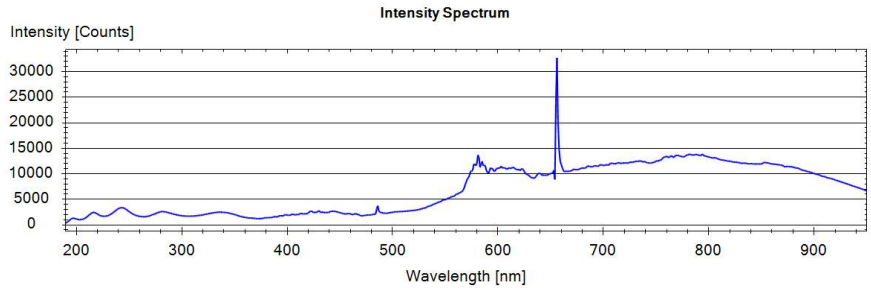


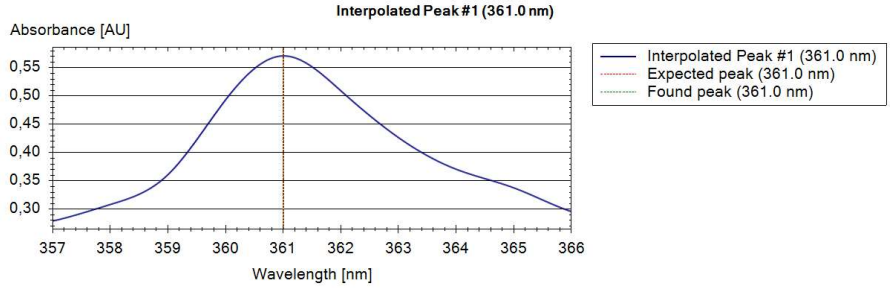


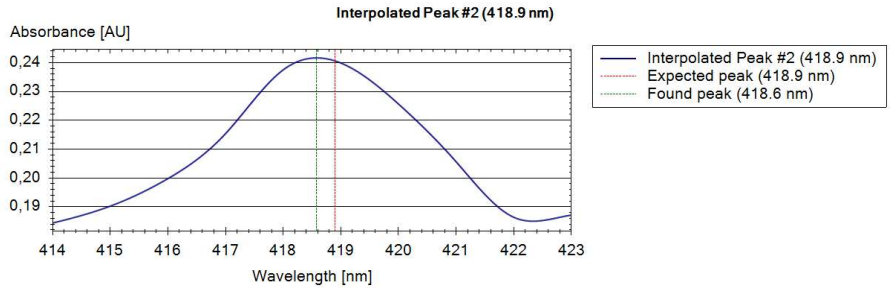

Slit Test Signal at 600 nm
Intensity [Counts]
14000
12000
10000
8000
6000
4000
2000
0
1
2
3
4
5
6
7
8
9
10
11
X Axis

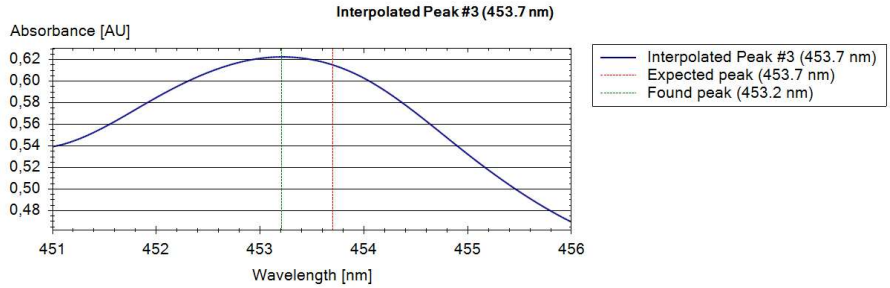

Slit Test Signal at 800 nm
Intensity [Counts]
15000
10000
5000
0
1
2
3
4
5
6
7
8
9
10
11
X Axis

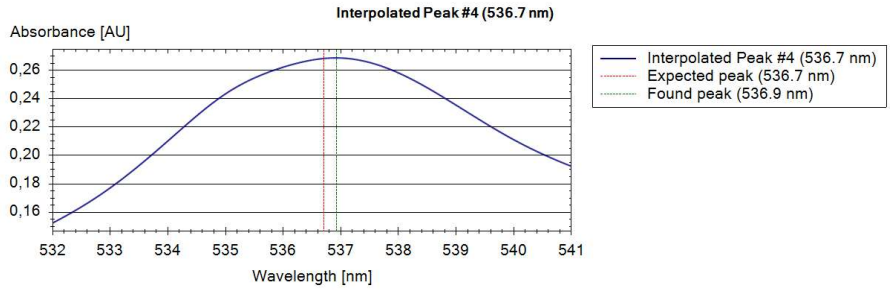

Dark Current Spectrum
Intensity [Counts]
2940
2920
2900
2880
2860
2840
2820
100
200
300
400
500
600
700
800
900
1000
Diode Array

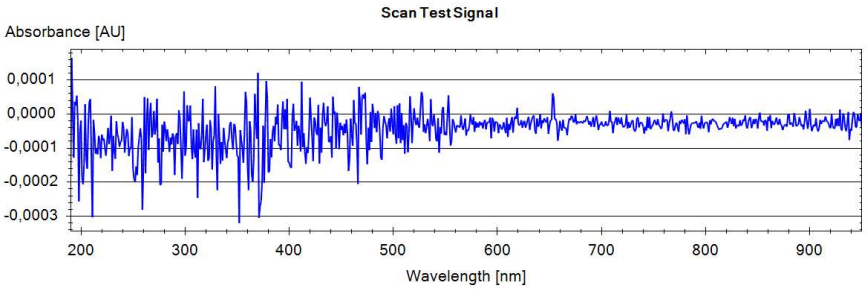

Intensity Spectrum
Intensity [Counts]
30000
25000
20000
15000
10000
5000
0
200
300
400
500
600
700
800
900
Wavelength [nm]

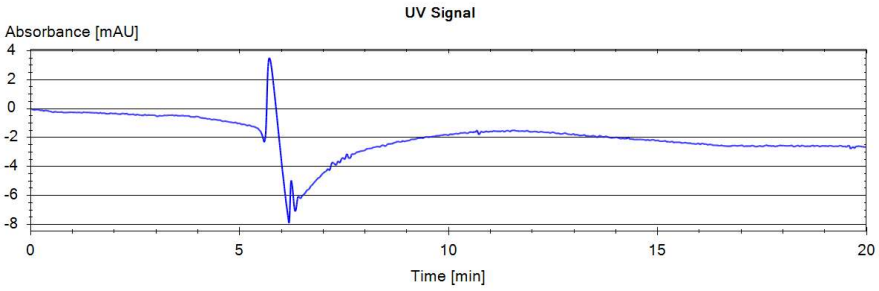

Interpolated Peak #1 (361.0 nm)
Absorbance [AU]
0,55
0,50
0,45
0,40
0,35
0,30
357 358 359 360 361 362 363 364 365 366
Wavelength [nm]
Interpolated Peak #1 (361.0 nm)
Expected peak (361.0 nm)
Found peak (361.0 nm)


Interpolated Peak #2 (418.9 nm)
Absorbance [AU]
0,24
0,23
0,22
0,21
0,20
0,19
414 415 416 417 418 419 420 421 422 423
Wavelength [nm]
Interpolated Peak #2 (418.9 nm)
Expected peak (418.9 nm)
Found peak (418.6 nm)


Interpolated Peak #3 (453.7 nm)
Absorbance [AU]
0,62
0,60
0,58
0,56
0,54
0,52
0,50
0,48
451 452 453 454 455 456
Wavelength [nm]
Interpolated Peak #3 (453.7 nm)
Expected peak (453.7 nm)
Found peak (453.2 nm)


Interpolated Peak #4 (536.7 nm)
Absorbance [AU]
0,26
0,24
0,22
0,20
0,18
0,16
532 533 534 535 536 537 538 539 540 541
Wavelength [nm]
Interpolated Peak #4 (536.7 nm)
Expected peak (536.7 nm)
Found peak (536.9 nm)


Scan Test Signal
Absorbance [AU]
0,0001
0,0000
-0,0001
-0,0002
-0,0003
200
300
400
500
600
700
800
900
Wavelength [nm]


UV Signal
Absorbance [mAU]
4
2
0
-2
-4
-6
-8
0
5
10
15
20
Time [min]

Signature: .....

Lab Advisor Diagnostic Result — CHIESI_HPL-001

G1315B **Slit Test** **Passed**

DE22616158
A.07.02[001]
DAD

The slit test verifies correct operation of the micromechanical slit.

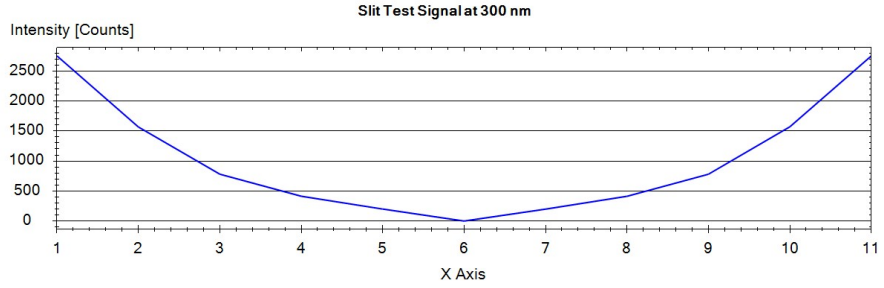
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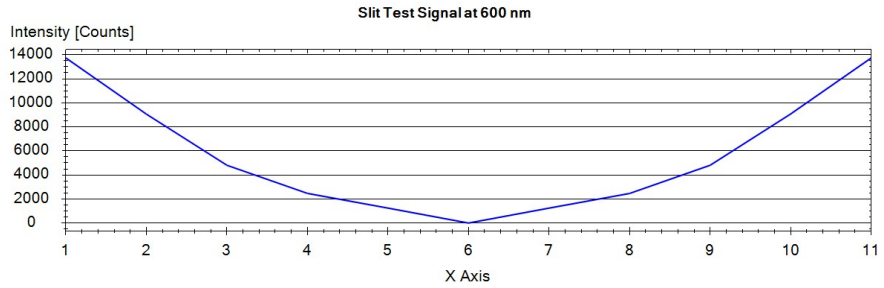
Results

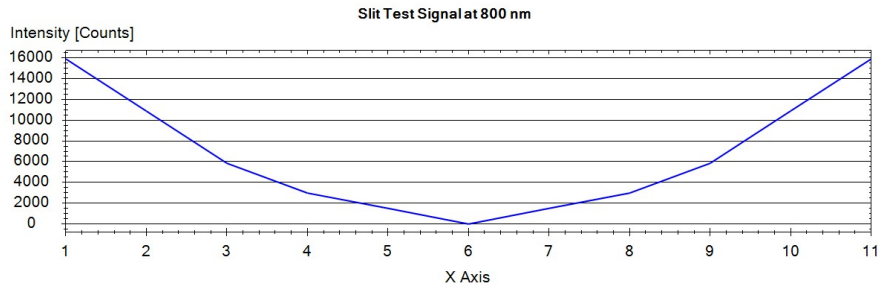
Item	Value	Result
Slit Test Result	0,91	
Slit Test Limit	*0,7 ... 1,3*	Passed

Finished at 20/08/2026 13:37:46

Signals







Signature: .....

Lab Advisor Diagnostic Result — CHIESI_HPL-001

G1315B — **Wavelength Verification Test** — **Passed**

DE22616158
A.07.02[001]
DAD

This procedure performs a wavelength verification.

Started at 20/08/2026 13:39:51 by QPACK-1019\Vandilso on QPACK-1019 using Agilent Lab Advisor - Version B.02.10 [253] SP1 - Advanced

Results

Item	Value	Result
Accumulated UV Lamp Burn Time	3945,66 h	Done
UV Lamp On-Time	0,19 h	
Minimum Lamp On-Time	*0,17 h*	Passed
D2 Alpha Line Deviation	0,058 nm	
WL Calibration Limit for Alpha Line	*-0,5 ... 0,5 nm*	Passed
D2 Beta Line Deviation	0,009 nm	
WL Calibration Limit for Beta Line	*-0,5 ... 0,5 nm*	Passed

Finished at 20/08/2026 13:40:16

Signature: .....