

G1311A

Leak Test

Passed

DE62969665  
A.07.01[001]  
QuatPump

The leak test is a built-in troubleshooting test designed to demonstrate the leak-tightness of the pump. The test should be used when problems with the pump are suspected.

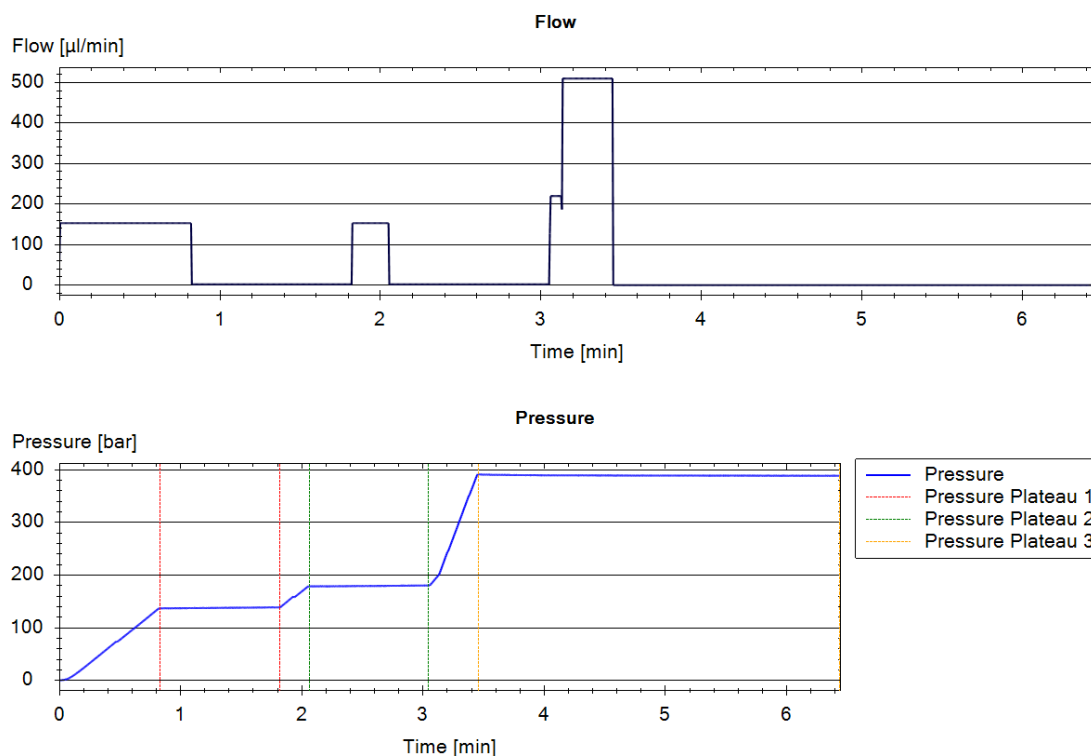
Started at 21/07/2026 10:14:11 by LENOVO-BOB\bobce on LENOVO-BOB using Agilent Lab Advisor - Version 2.23.706 SR1 - Advanced

## Results

| Item                                           | Value         | Result |
|------------------------------------------------|---------------|--------|
| Slope of the first plateau                     | 1,93 bar/min  |        |
| <i>Minimum slope of the first plateau</i>      | 0,00 bar/min  | Passed |
| Pressure for the first plateau                 | 137,05 bar    |        |
| <i>Minimum pressure for the first plateau</i>  | 100,0 bar     | Passed |
| Slope of the second plateau                    | 1,75 bar/min  |        |
| <i>Minimum slope of the second plateau</i>     | 0,00 bar/min  | Passed |
| Pressure for the second plateau                | 178,72 bar    |        |
| <i>Minimum pressure for the second plateau</i> | 140,0 bar     | Passed |
| Final pressure drop with flow 0                | -0,55 bar/min |        |
| <i>Maximum final pressure drop</i>             | -2,00 bar/min | Passed |
| Pressure Value                                 | 390,38 bar    |        |
| <i>Minimum pressure</i>                        | 385,0 bar     | Passed |

Finished at 21/07/2026 10:23:33

## Signals



Signature: .....

G1311A

Pressure Test

Passed

DE62969665  
A.07.01[001]  
QuatPump

The pressure test is a quick, built-in test designed to demonstrate the pressure-tightness of the system. The test should be used when problems with small leaks are suspected, or after maintenance of flow-path components (e.g. pump seals, injection seal) to prove pressure tightness up to 400 bar.

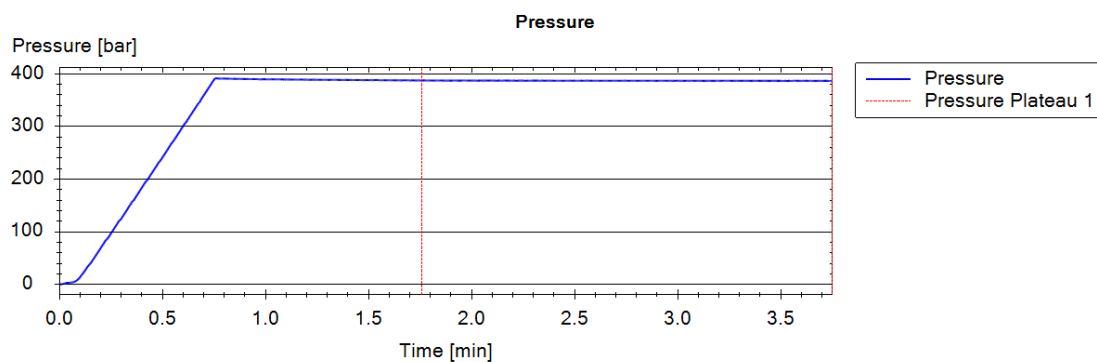
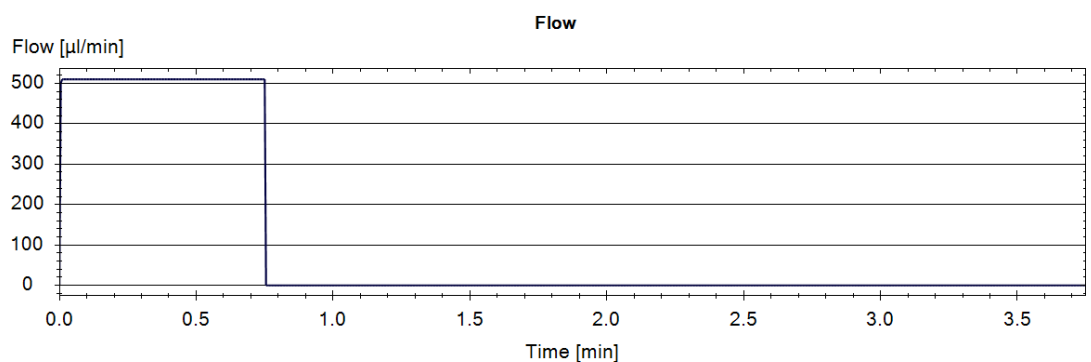
Started at 21/07/2026 10:40:58 by LENOVO-BOB\bobce on LENOVO-BOB using Agilent Lab Advisor - Version 2.23.706 SR1 - Advanced

## Results

| Item                                   | Value          | Result |
|----------------------------------------|----------------|--------|
| Final pressure drop with flow 0        | -0,33 bar/min  |        |
| Maximum final pressure drop            | -2,00 bar/min  | Passed |
| Pressure Value                         | 387,28 bar     |        |
| Minimum pressure                       | 385,0 bar      | Passed |
| Slope of initial pressure ramp         | 561,60 bar/min |        |
| Minimum slope of initial pressure ramp | 300,0 bar/min  | Passed |

Finished at 21/07/2026 10:45:46

## Signals



Signature: .....

G1311A

Pressure Test

Passed

DE62969665  
A.07.01[001]  
QuatPump

The pressure test is a quick, built-in test designed to demonstrate the pressure-tightness of the system. The test should be used when problems with small leaks are suspected, or after maintenance of flow-path components (e.g. pump seals, injection seal) to prove pressure tightness up to 400 bar.

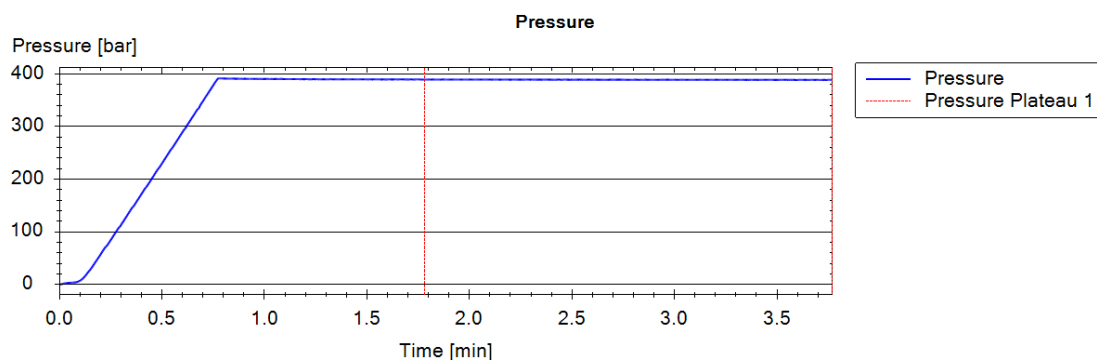
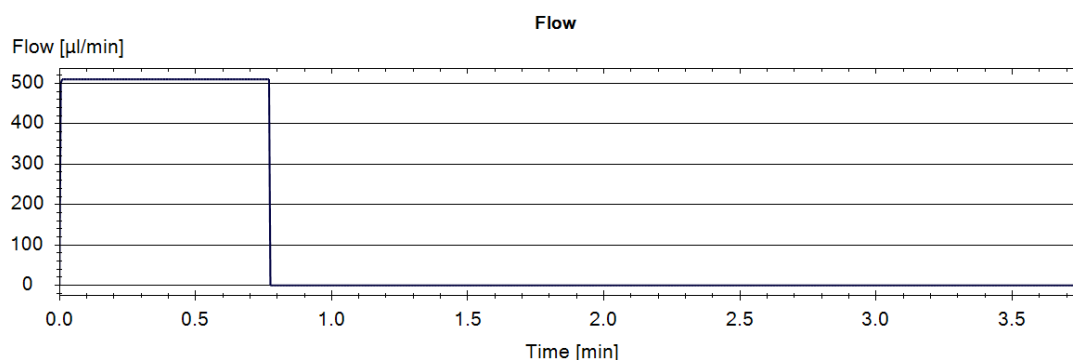
Started at 21/07/2026 10:35:51 by LENOVO-BOB\bobce on LENOVO-BOB using Agilent Lab Advisor - Version 2.23.706 SR1 - Advanced

## Results

| Item                                   | Value          | Result |
|----------------------------------------|----------------|--------|
| Final pressure drop with flow 0        | -0,39 bar/min  |        |
| Maximum final pressure drop            | -2,00 bar/min  | Passed |
| Pressure Value                         | 389,08 bar     |        |
| Minimum pressure                       | 385,0 bar      | Passed |
| Slope of initial pressure ramp         | 555,32 bar/min |        |
| Minimum slope of initial pressure ramp | 300,0 bar/min  | Passed |

Finished at 21/07/2026 10:40:18

## Signals



Signature: .....

G1316A

Thermostat Test

Passed

DE63072356  
A.07.02[001]  
TCC

Evaluates the cooling and heating performance of the two peltier elements.

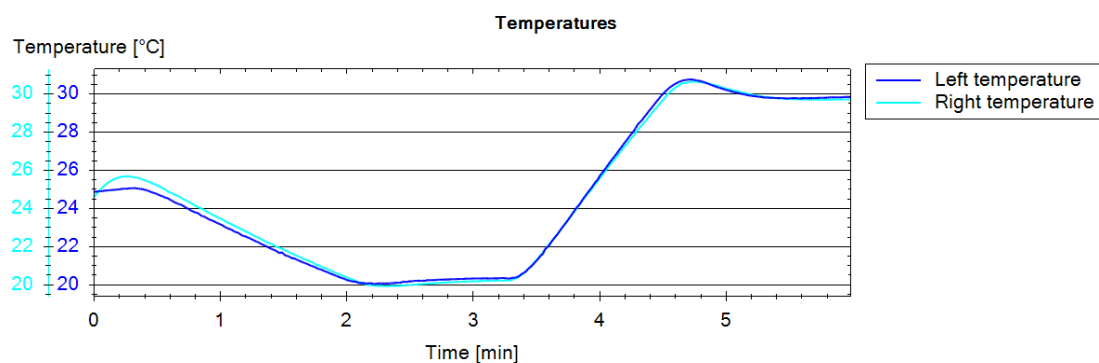
Started at 21/07/2026 9:54:05 by LENOVO-BOB\bobce on LENOVO-BOB using Agilent  
Lab Advisor - Version 2.23.706 SR1 - Advanced

## Results

| Item                              | Value      | Result |
|-----------------------------------|------------|--------|
| Cool rate of right heat exchanger | 3,3 °C/min |        |
| <i>Minimum cooling rate</i>       | 2,0 °C/min | Passed |
| Heat rate of right heat exchanger | 8,5 °C/min |        |
| <i>Minimum heating rate</i>       | 3,0 °C/min | Passed |
| Cool rate of left heat exchanger  | 3,2 °C/min |        |
| <i>Minimum cooling rate</i>       | 2,0 °C/min | Passed |
| Heat rate of left heat exchanger  | 8,9 °C/min |        |
| <i>Minimum heating rate</i>       | 3,0 °C/min | Passed |

Finished at 21/07/2026 10:00:50

## Signals



Signature: .....

G1315B

Intensity Test

Passed

DE63058209  
A.07.02[001]  
DAD

The test scans the Intensity spectrum generated by the UV and VIS Lamp.

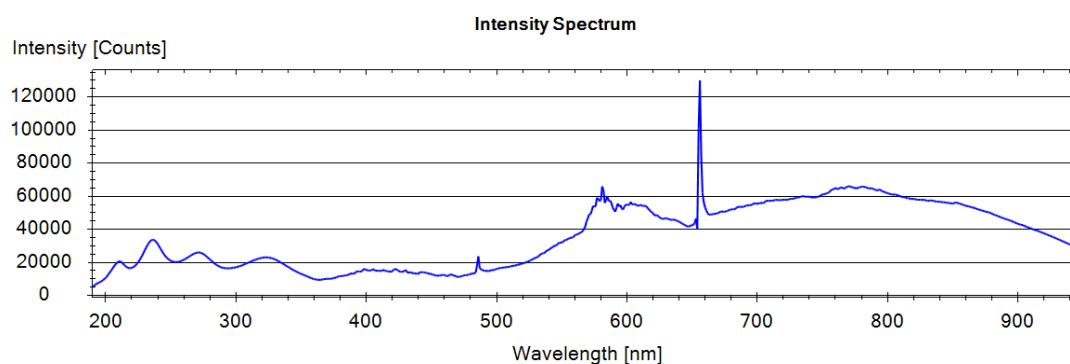
**Started at 21/07/2026 11:10:22 by LENOVO-BOB\bobce on LENOVO-BOB using Agilent Lab Advisor - Version 2.23.706 SR1 - Advanced**

## Results

| Item                                          | Value        | Result |
|-----------------------------------------------|--------------|--------|
| Accumulated UV Lamp On-Time                   | 1194,08 h    | Done   |
| UV Lamp On-Time                               | 2,10 h       | Done   |
| Accumulated Vis Lamp On-Time                  | 19373,36 h   | Done   |
| Vis Lamp On-Time                              | 2,10 h       | Done   |
| Lowest Intensity in Range 190 - 220 nm        | 5067 counts  |        |
| <i>Lowest Intensity in Range 190 - 220 nm</i> | 2000 counts  | Passed |
| Lowest Intensity in Range 221 - 350 nm        | 13088 counts |        |
| <i>Lowest Intensity in Range 221 - 350 nm</i> | 5000 counts  | Passed |
| Lowest Intensity in Range 351 - 500 nm        | 9495 counts  |        |
| <i>Lowest Intensity in Range 351 - 500 nm</i> | 2000 counts  | Passed |
| Lowest Intensity in Range 501 - 950 nm        | 16331 counts |        |
| <i>Lowest Intensity in Range 501 - 950 nm</i> | 2000 counts  | Passed |
| Spectrum Integral                             | 27285989     | Done   |
| UV Integral (190 - 349 nm)                    | 3221853      | Done   |

**Finished at 21/07/2026 11:10:49**

## Signals



Signature: .....

G1315B

Cell Test

Passed

DE63058209  
A.07.02[001]  
DAD

The test compares the lamp intensity with and without the flow cell installed. The intensity ratio is an indicator of the amount of light absorbed by the flow cell.

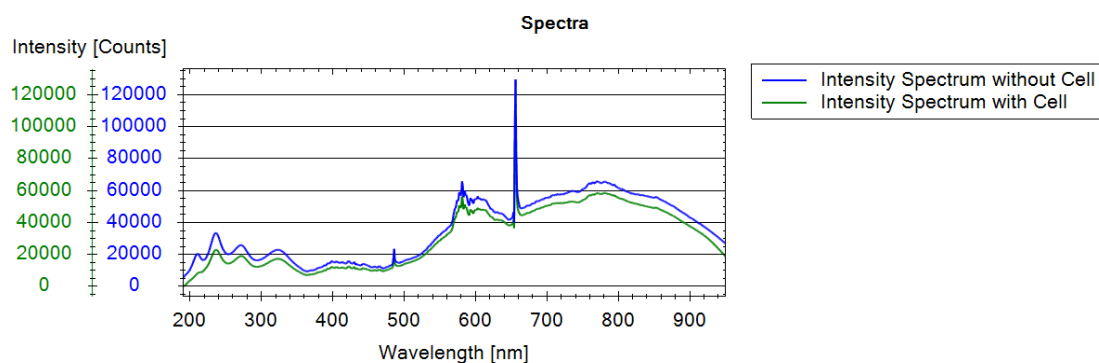
Started at 21/07/2026 10:10:59 by LENOVO-BOB\bobce on LENOVO-BOB using Agilent Lab Advisor - Version 2.23.706 SR1 - Advanced

## Results

| Item                                 | Value      | Result |
|--------------------------------------|------------|--------|
| Accumulated UV Lamp On-Time          | 1193,09 h  | Done   |
| UV Lamp On-Time                      | 1,11 h     | Done   |
| Accumulated Vis Lamp On-Time         | 19372,37 h | Done   |
| Vis Lamp On-Time                     | 1,11 h     | Done   |
| Intensity Integral without Flow Cell | 27.217.714 | Done   |
| Intensity Integral with Flow Cell    | 23.289.976 | Done   |
| Intensity Ratio                      | 0,86       |        |
| Minimum Intensity Ratio              | 0,30       | Passed |

Finished at 21/07/2026 10:13:14

## Signals



Signature: .....

**G1315B**

**Filter Test**

**Passed**

DE63058209  
A.07.02[001]  
DAD

The test moves the filter into the light path and measures the relative absorbance in the filter position.

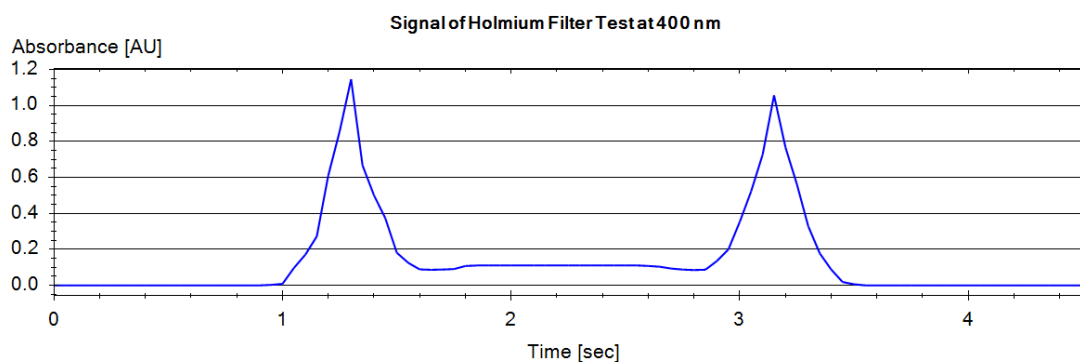
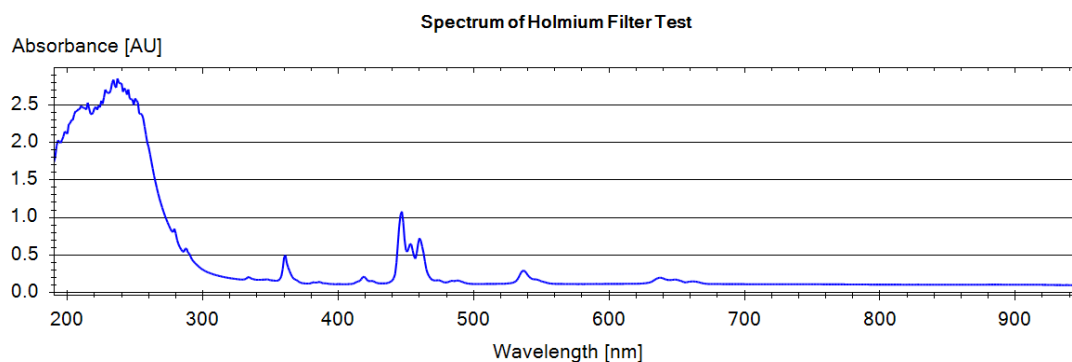
**Started at 21/07/2026 11:06:17 by LENOVO-BOB\bobce on LENOVO-BOB using Agilent Lab Advisor - Version 2.23.706 SR1 - Advanced**

*Results*

| Item                                | Value                   | Result |
|-------------------------------------|-------------------------|--------|
| Holmium Filter Absorbance at 400 nm | 0,11 AU                 |        |
| <i>Filter Test Limit</i>            | <i>0,01 ... 0,50 AU</i> | Passed |

**Finished at 21/07/2026 11:07:28**

*Signals*



Signature: .....

G1315B

Holmium Oxide Test

Passed

DE63058209  
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.

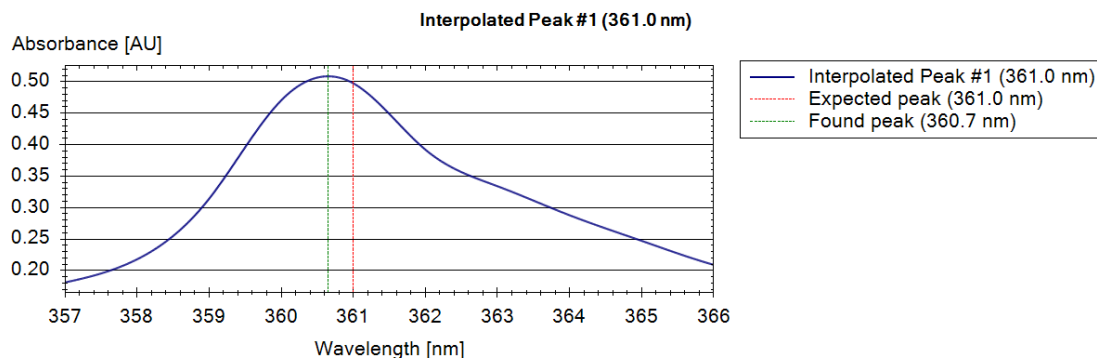
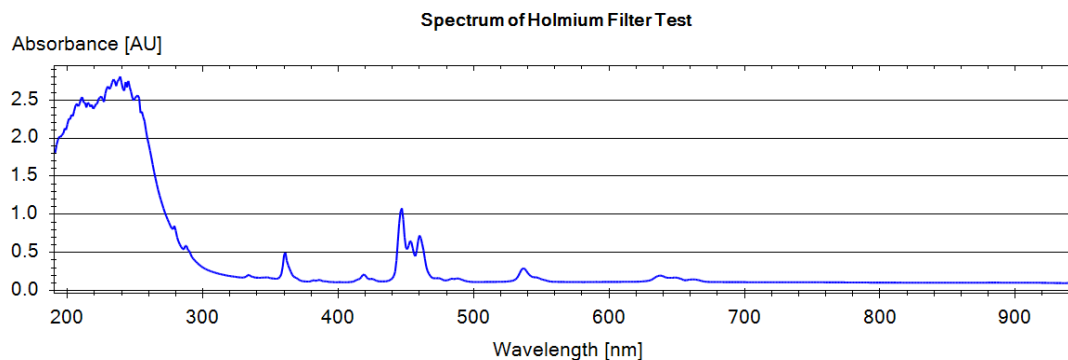
Started at 21/07/2026 11:08:05 by LENOVO-BOB\bobce on LENOVO-BOB using Agilent Lab Advisor - Version 2.23.706 SR1 - Advanced

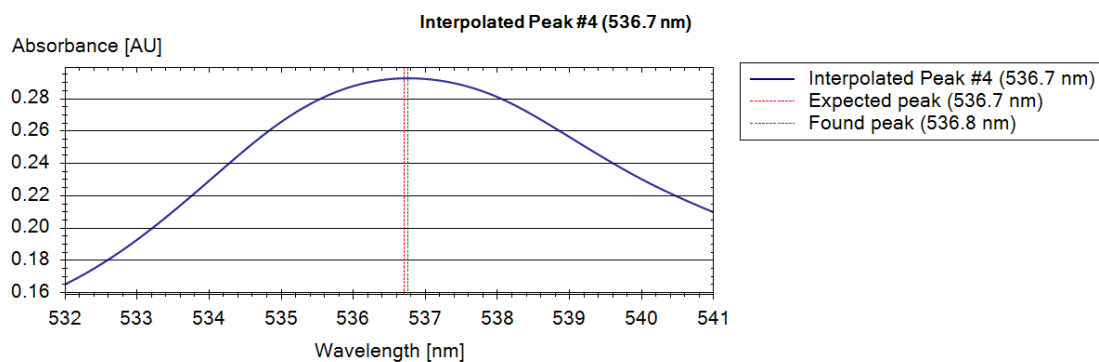
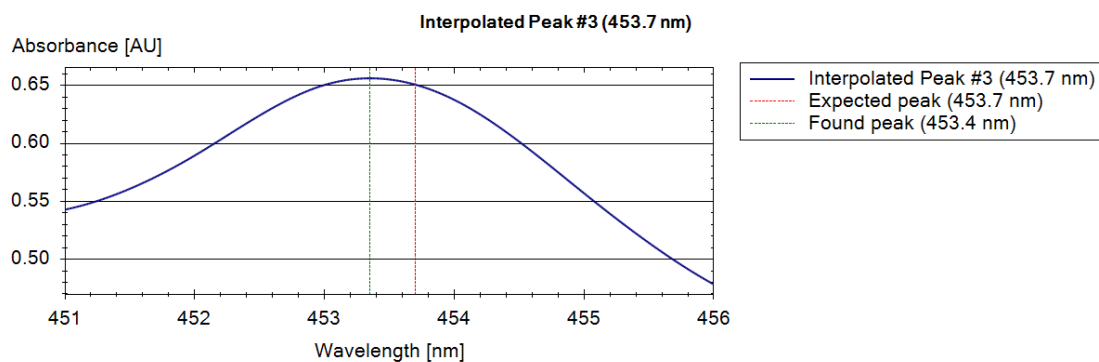
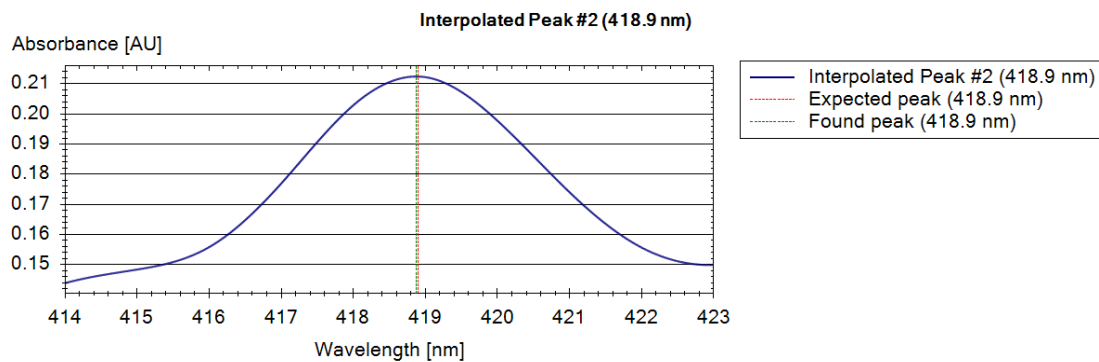
## Results

| Item                           | Value                    | Result |
|--------------------------------|--------------------------|--------|
| Accumulated UV Lamp On-Time    | 1194,05 h                | Done   |
| UV Lamp On-Time                | 2,06 h                   | Done   |
| Accumulated Vis Lamp On-Time   | 19373,32 h               | Done   |
| Vis Lamp On-Time               | 2,06 h                   | Done   |
| Holmium Deviation to 361.0 nm  | -0,35 nm                 |        |
| <i>Holmium Deviation Limit</i> | <i>-1,00 ... 1,00 nm</i> | Passed |
| Holmium Deviation to 418.9 nm  | -0,03 nm                 |        |
| <i>Holmium Deviation Limit</i> | <i>-1,00 ... 1,00 nm</i> | Passed |
| Holmium Deviation to 453.7 nm  | -0,35 nm                 |        |
| <i>Holmium Deviation Limit</i> | <i>-1,00 ... 1,00 nm</i> | Passed |
| Holmium Deviation to 536.7 nm  | 0,06 nm                  |        |
| <i>Holmium Deviation Limit</i> | <i>-1,00 ... 1,00 nm</i> | Passed |

Finished at 21/07/2026 11:08:53

## Signals





Signature: .....

G1315B

## Wavelength Verification Test

Passed

DE63058209  
A.07.02[001]  
DAD

This procedure performs a wavelength verification.

## Results

**Started at 21/07/2026 11:12:03 by LENOVO-BOB\bobce on LENOVO-BOB using Agilent Lab Advisor - Version 2.23.706 SR1 - Advanced**

| Item                                       | Value               | Result |
|--------------------------------------------|---------------------|--------|
| Accumulated UV Lamp On-Time                | 1194,12 h           | Done   |
| UV Lamp On-Time                            | 2,13 h              |        |
| <i>Minimum Lamp On-Time</i>                | 0,17 h              | Passed |
| D2 Alpha Line Deviation                    | 0,146 nm            |        |
| <i>WL Calibration Limit for Alpha Line</i> | -0,500 ... 0,500 nm | Passed |
| D2 Beta Line Deviation                     | 0,258 nm            |        |
| <i>WL Calibration Limit for Beta Line</i>  | -0,500 ... 0,500 nm | Passed |

**Finished at 21/07/2026 11:12:42**

Signature: .....