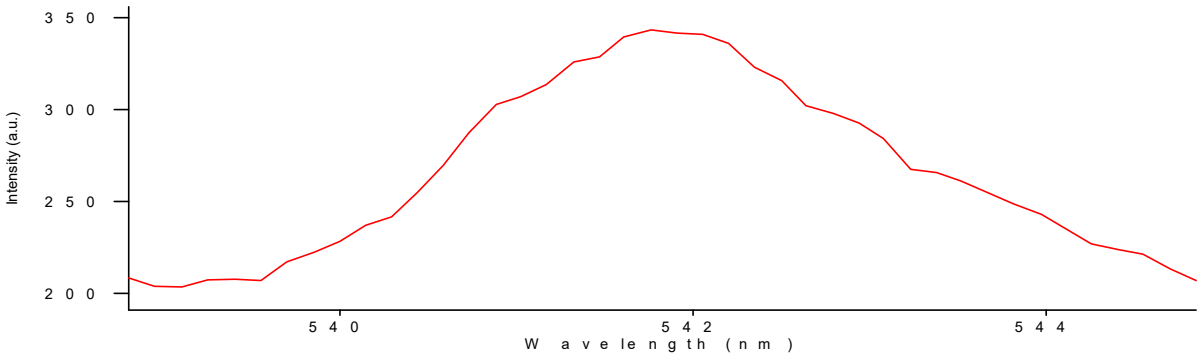
Eclipse Validation Report

Report time	09/10/2026 10:26:54
Batch file	09_10_2026 10;26;54.FBVO
Instrument	Eclipse
Instrument serial number	MY18250003
Software Version	1.2(146)
Firmware Version	2,12

Wavelength Accuracy Ex.Mono (Xe)

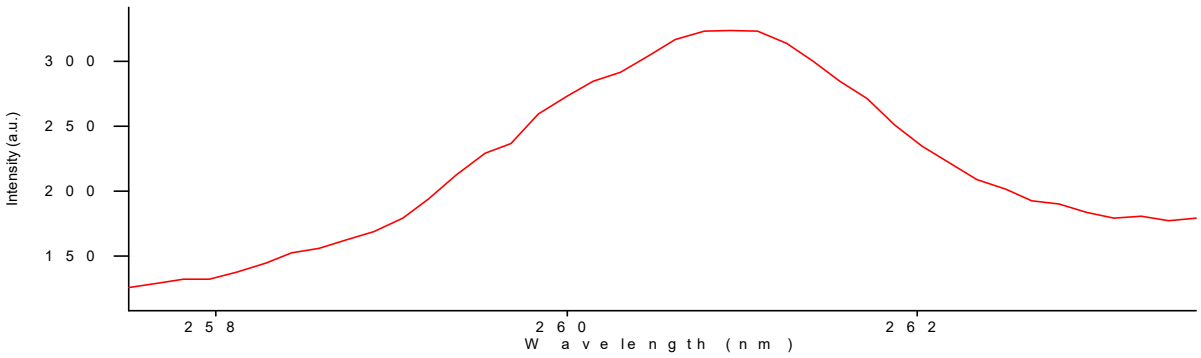
Instrument Parameters :

Scan mode	Excitation
Scan type	Fluorescence Excitation
Ex.Wavelength (nm)	541,92
Ex. Slit (nm)	1,5
Ex. Filter	Auto
Ave. time (s)	1,00000
Data interval (nm)	0,15
Tolerance of 541,92nm peak	±0,50nm
Tolerance of 260,54nm peak	±1,00nm
Ex. PMT (V)	870



541,92nm peak found at 541,77nm PASSED

Ex. PMT (V)	1000



260,54nm peak found at 260,86nm PASSED

Wavelength Accuracy Ex.Mono (Xe) test Passed

Wavelength Accuracy Em.Mono (Xe)

Instrument Parameters :

Scan mode	Emission
Scan type	Fluorescence Emission
Ex.Wavelength (nm)	0,00
Ex. Slit (nm)	5
Ex. Filter	Auto
Em.Wavelength (nm)	541,92
Em. Slit (nm)	1,5
Em. Filter	Auto
Ave. time (s)	1,00000
Data interval (nm)	0,15
Tolerance of 541,92nm peak	±0,50nm
Tolerance of 260,54nm peak	±1,00nm

Sequence cancelled

Operator Signature :_____ **Date :** _____

Supervisor Signature :_____ **Date :** _____

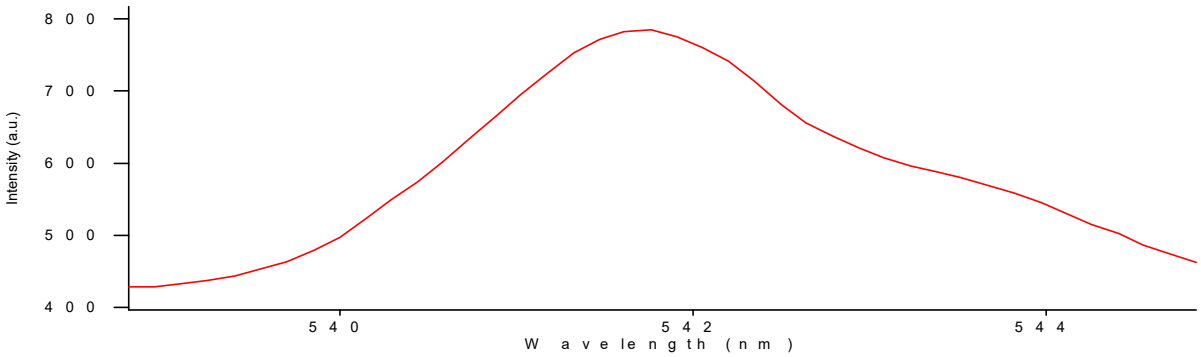
Eclipse Validation Report

Report time	09/10/2026 10:34:54
Batch file	09_10_2026 10;34;54.FBVO
Instrument	Eclipse
Instrument serial number	MY18250003
Software Version	1.2(146)
Firmware Version	2,12

Wavelength Accuracy Em.Mono (Xe)

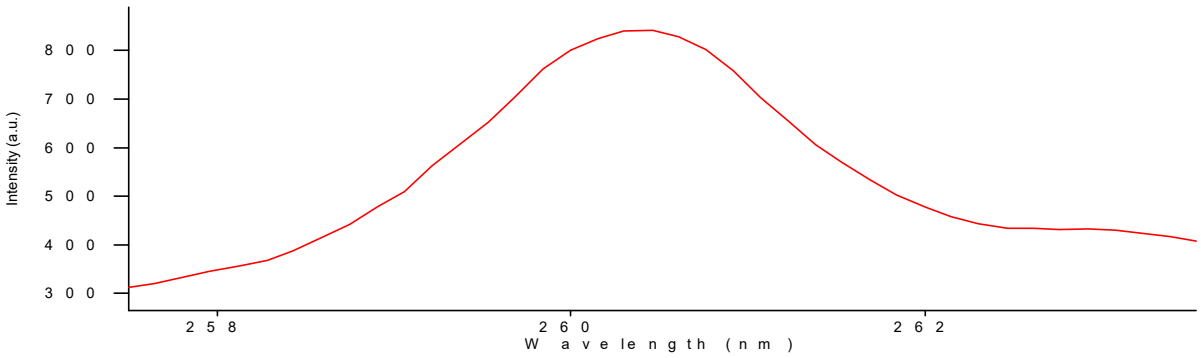
Instrument Parameters :

Scan mode	Emission
Scan type	Fluorescence Emission
Ex.Wavelength (nm)	0,00
Ex. Slit (nm)	5
Ex. Filter	Auto
Em.Wavelength (nm)	541,92
Em. Slit (nm)	1,5
Em. Filter	Auto
Ave. time (s)	1,00000
Data interval (nm)	0,15
Tolerance of 541,92nm peak	±0,50nm
Tolerance of 260,54nm peak	±1,00nm
Ex. PMT (V)	496
Em. PMT (V)	610



541,92nm peak found at 541,69nm PASSED

Ex. PMT (V)	496
Em. PMT (V)	782



260,54nm peak found at 260,38nm PASSED

Wavelength Accuracy Em.Mono (Xe) test Passed

Sequence completed

Operator Signature :_____ Date : _____

Supervisor Signature :_____ Date : _____

Eclipse Validation Report

Report time	09/10/2026 10:50:08
Batch file	09_10_2026 10;50;08.FBVO
Instrument	Eclipse
Instrument serial number	MY18250003
Software Version	1.2(146)
Firmware Version	2,12

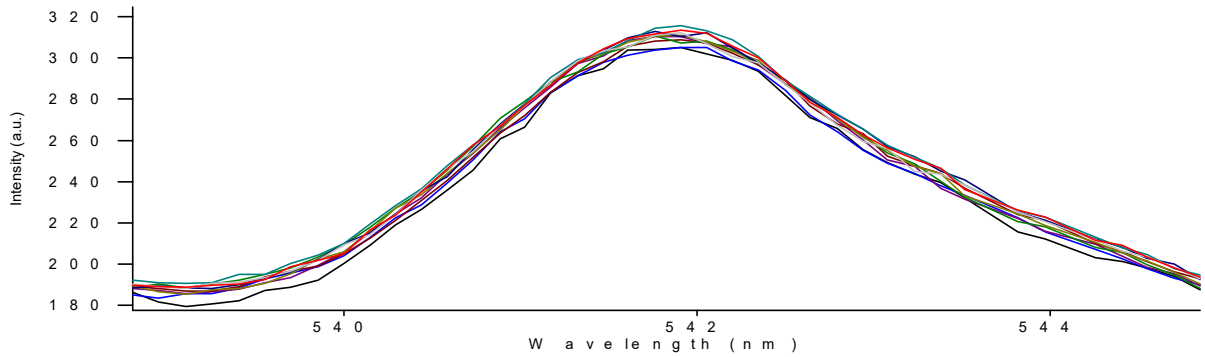
Wavelength Reproducibility Ex.Mono (Xe)

Instrument Parameters :

Scan mode	Excitation
Scan type	Fluorescence Excitation
Ex.Wavelength (nm)	538,92
Ex. Slit (nm)	1,5
Ex. Filter	Auto
Ave. time (s)	1,00000
Data interval (nm)	0,15

Maximum peak difference < 0,20000nm in 10 scans

Ex. PMT (V) 859



Maximum peak difference 0,06732nm < 0,20000nm PASSED

Wavelength Reproducibility Ex.Mono (Xe) test Passed

Sequence completed

Operator Signature :_____ **Date :** _____

Supervisor Signature :_____ **Date :** _____

Eclipse Validation Report

Report time	09/10/2026 10:38:41
Batch file	09_10_2026 10;38;41.FBVO
Instrument	Eclipse
Instrument serial number	MY18250003
Software Version	1.2(146)
Firmware Version	2,12

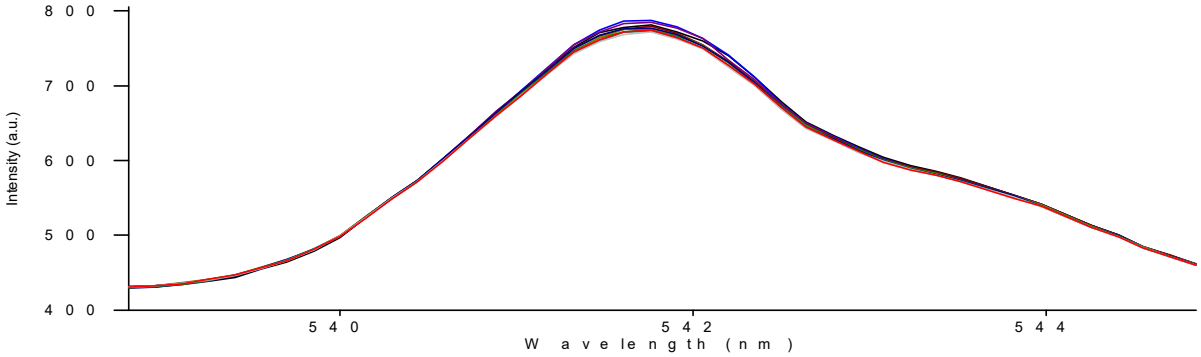
Wavelength Reproducibility Em.Mono (Xe)

Instrument Parameters :

Scan mode	Emission
Scan type	Fluorescence Emission
Ex.Wavelength (nm)	0,00
Ex. Slit (nm)	5
Ex. Filter	Auto
Em.Wavelength (nm)	538,92
Em. Slit (nm)	1,5
Em. Filter	Auto
Ave. time (s)	1,00000
Data interval (nm)	0,15

Maximum peak difference < 0,20000nm in 10 scans

Ex. PMT (V)	496
Em. PMT (V)	610



Maximum peak difference 0,06348nm < 0,20000nm PASSED

Wavelength Reproducibility Em.Mono (Xe) test Passed

Sequence completed

Operator Signature :_____ **Date :** _____

Supervisor Signature :_____ **Date :** _____

Eclipse Validation Report

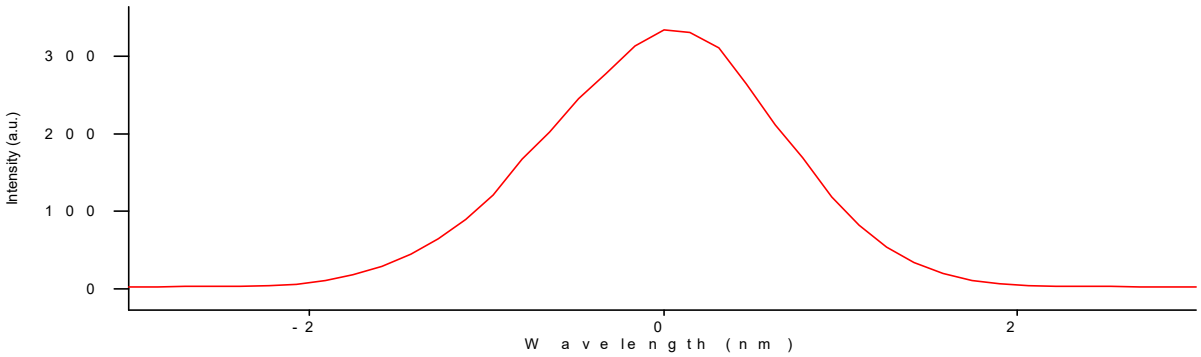
Report time	09/10/2026 11:02:05
Batch file	09_10_2026 11;02;05.FBVO
Instrument	Eclipse
Instrument serial number	MY18250003
Software Version	1.2(146)
Firmware Version	2,12

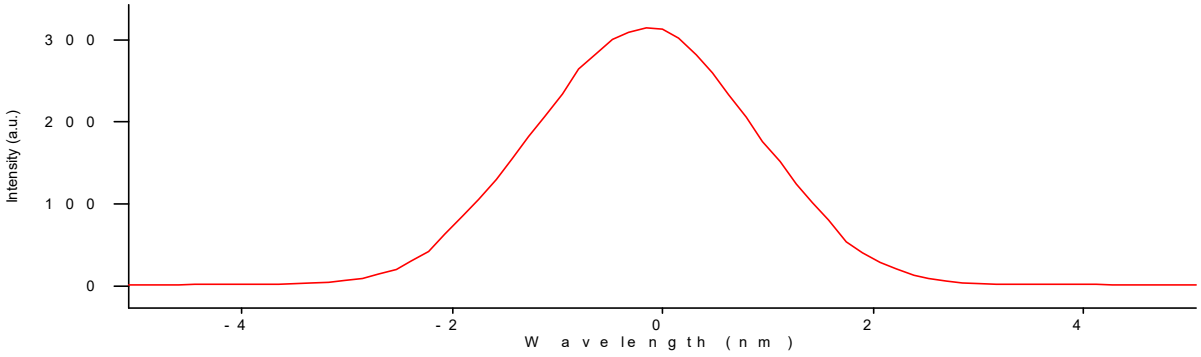
Spectral Bandwidth Accuracy Ex.Slit

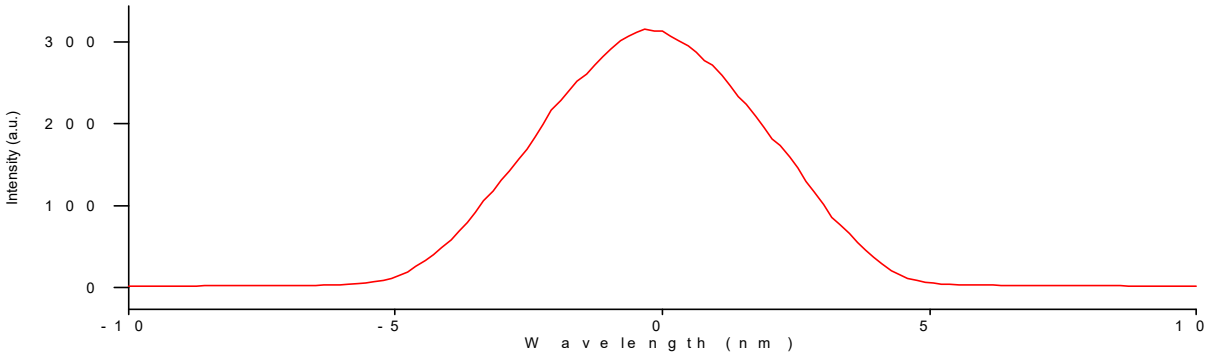
Instrument Parameters :

Scan mode	Excitation
Scan type	Fluorescence Excitation
Ex.Wavelength (nm)	350,00
Ex. Slit (nm)	1,5
Ex. Filter	250 - 395 nm
Ave. time (s)	1,00000
Data interval (nm)	0,15

Ex. Slit (nm): 1,5 Scan Range -3nm to 3nm
Ex. Slit (nm): 2,5 Scan Range -5nm to 5nm
Ex. Slit (nm): 5 Scan Range -10nm to 10nm







Ex. Slit (nm)	Ex. EHT (V)	Tolerance (nm)	Measured (nm)	Result
1,5	778	1,300 - 2,050	1,586	Passed
2,5	640	2,250 - 2,800	2,483	Passed
5	580	4,900 - 5,800	5,066	Passed

Spectral Bandwidth Accuracy Ex.Slit test Passed

Sequence completed

Operator Signature :_____ **Date :** _____

Supervisor Signature :_____ **Date :** _____

Eclipse Validation Report

Report time	09/10/2026 11:23:35
Batch file	09_10_2026 11;23;35.FBVO
Instrument	Eclipse
Instrument serial number	MY18250003
Software Version	1.2(146)
Firmware Version	2,12

Spectral Bandwidth Accuracy Em.Slit

Instrument Parameters :

Scan mode	Emission
Scan type	Fluorescence Emission
Ex.Wavelength (nm)	350,00
Ex. Slit (nm)	5
Ex. Filter	Auto
Em.Wavelength (nm)	400,00
Em. Slit (nm)	5
Em. Filter	Auto
Ave. time (s)	1,00000
Data interval (nm)	0,15

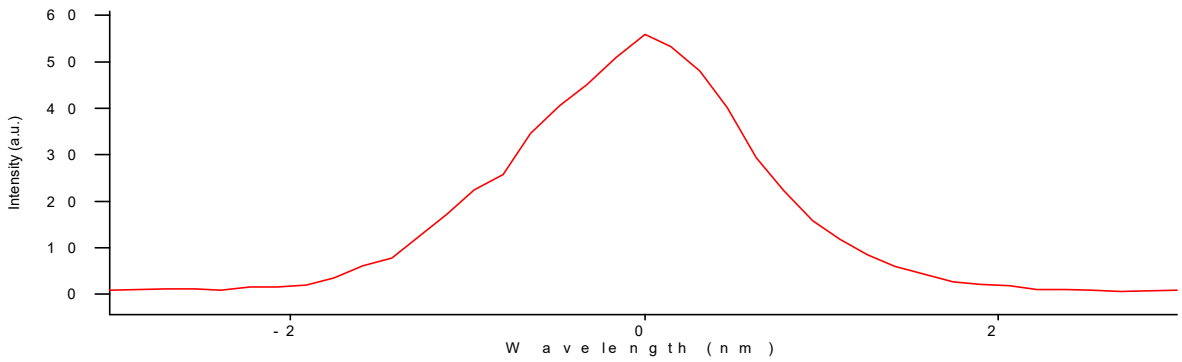
Ex. Slit (nm): 1,5 Scan Range -3nm to 3nm
Em. Slit (nm): 1,5 Ex. WL (nm) 350,00

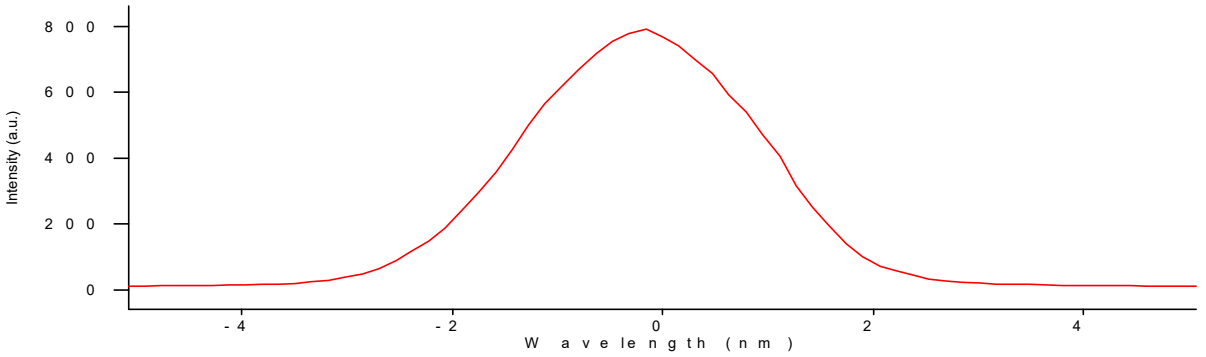
Ex. Slit (nm): 2,5 Scan Range -5nm to 5nm
Em. Slit (nm): 2,5 Ex. WL (nm) 350,00

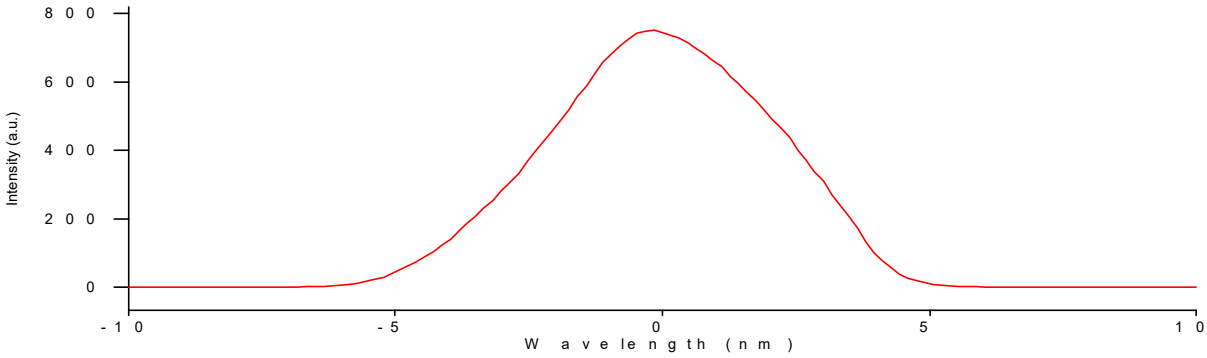
Ex. Slit (nm): 5 Scan Range -10nm to 10nm
Em. Slit (nm): 5 Ex. WL (nm) 800,00

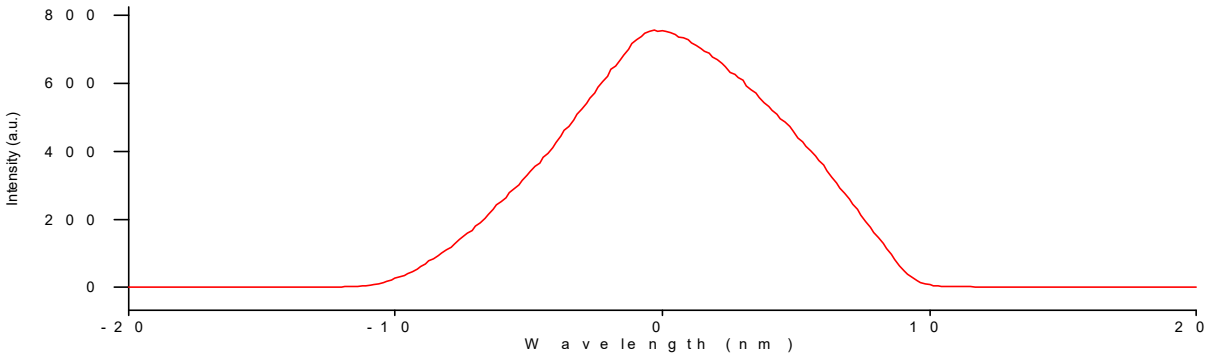
Ex. Slit (nm): 10 Scan Range -20nm to 20nm
Em. Slit (nm): 10 Ex. WL (nm) 850,00

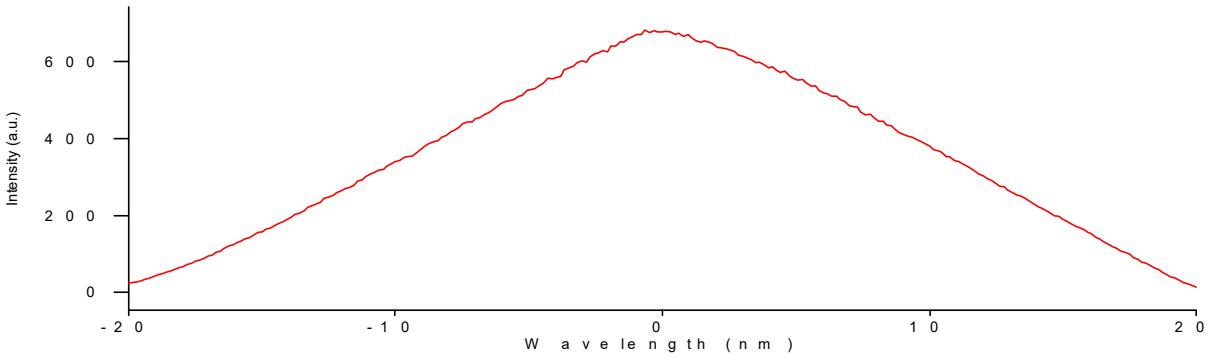
Ex. Slit (nm): 20 Scan Range -20nm to 20nm
Em. Slit (nm): 20 Ex. WL (nm) 900,00











Em. Slit (nm)	Ex. EHT (V)	Em. EHT (V)	Tolerance (nm)	Measured (nm)	Result

1,5	1000	1000	0,750 - 1,600	1,410	Passed
2,5	814	927	2,000 - 2,750	2,606	Passed
5	897	573	4,500 - 5,500	5,157	Passed
10	929	594	9,700 - 11,000	10,282	Passed
20	1000	595	19,000 - 22,00	20,596	Passed

Spectral Bandwidth Accuracy Em.Slit test Passed

Sequence completed

Operator Signature :_____ Date : _____

Supervisor Signature :_____ Date : _____

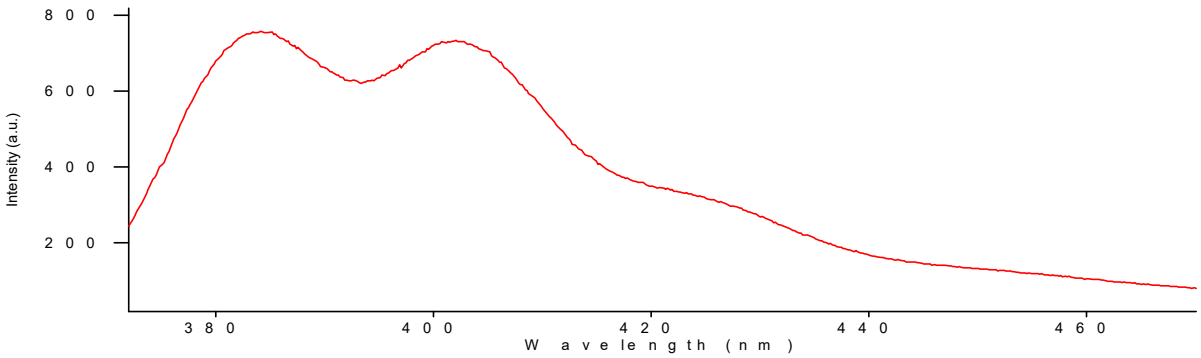
Eclipse Validation Report

Report time	09/10/2026 11:55:19
Batch file	09_10_2026 11;55;19.FBVO
Instrument	Eclipse
Instrument serial number	MY18250003
Software Version	1.2(146)
Firmware Version	2,12

Raman water Sensitivity Ex. 350 nm

Instrument Parameters :

Scan mode	Emission
Scan type	Fluorescence Emission
Ex.Wavelength (nm)	350,00
Ex. Slit (nm)	10
Ex. Filter	Auto
Em.Wavelength (nm)	372,00
Em. Slit (nm)	10
Em. Filter	Open
Ave. time (s)	1,00000
Data interval (nm)	0,20
Ex. PMT (V)	467
Em. PMT (V)	713



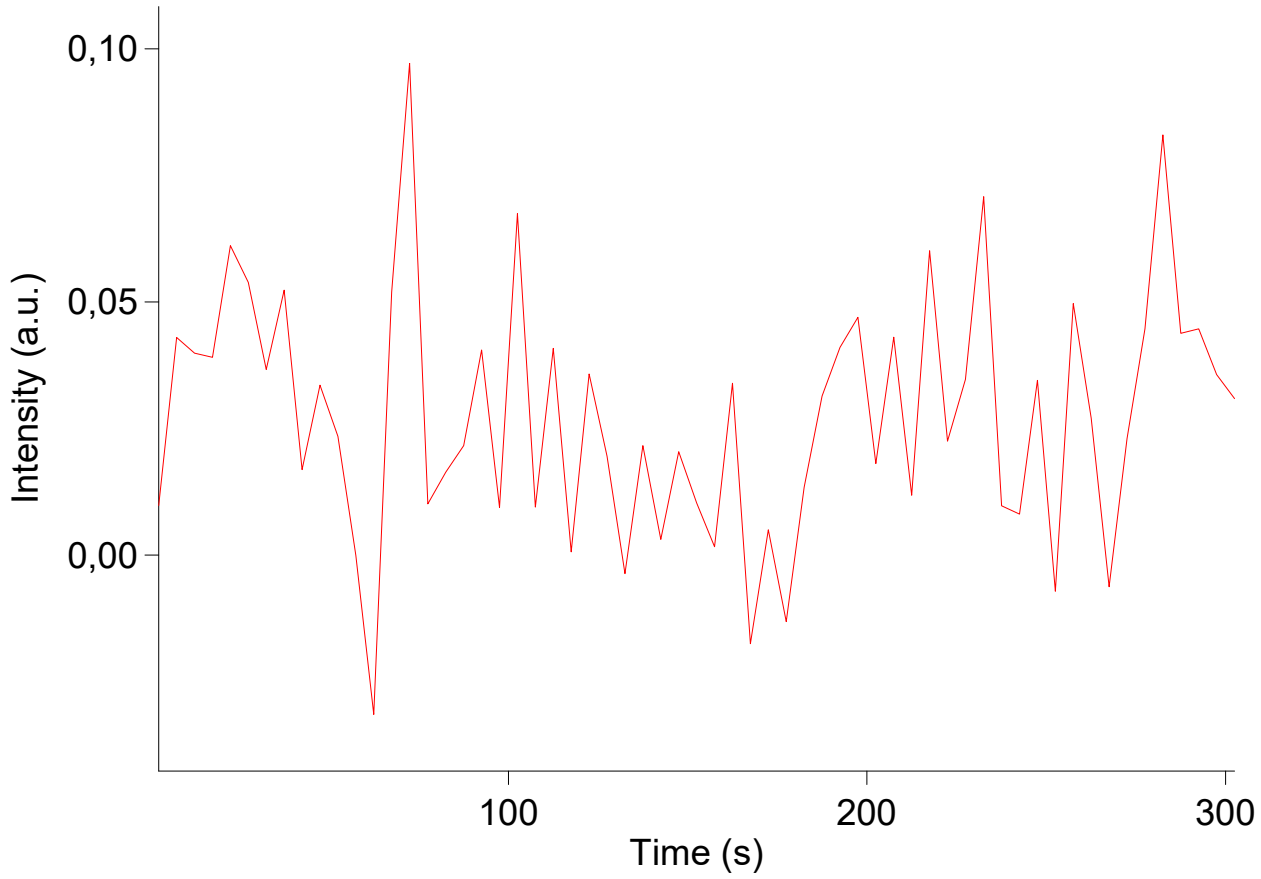
Tolerance for Raman water (Ex.350 nm) S/N test: > 200:1
The measured Raman water (Ex.350 nm) S/N: 328:1

Raman water Sensitivity Ex. 350 nm test Passed

Sequence completed

Operator Signature :_____ **Date :** _____

Supervisor Signature :_____ **Date :** _____



Kinetics Report

Report Time: sex 09 out 12:07:54 PM 2026
Software version: 1.2(146)