

Certificate of Calibration

Model: Q808 Calibration Filter Set

This is to certify that the subject instrument was tested and calibrated at Azzota Corporation against standards traceable to the National Institute of Standards & Technology (NIST) and was found to comply with all applicable specifications. Test records are on file at The Azzota Corporation for examination and verification.

Certificate Number: A21021501
Confidence Level: 95%
Accuracy: $\pm 0.2\text{nm}$ or $\pm 1\%$

Date of calibration: February 15, 2021
Laboratory Temp: $20^{\circ}\text{C} - 25^{\circ}\text{C}$

No.	Name	Description
#1	10% Neutral Density Filter	Test photometric accuracy (VIS range)
#2	20% Neutral Density Filter	Test photometric accuracy (VIS range)
#3	30% Neutral Density Filter	Test photometric accuracy (VIS range)
#4	220nm Stray Light Filter	Test Stray Light in 220nm
#5	360nm Stray Light Filter	Test Stray Light in 360nm
#6	Holmium Filter	Test wavelength accuracy (Peak)
#7	Didymium Filter	Test wavelength accuracy (Peak)
#8	BLANK Filter	Dark Current

CALIBRATION NOTES

The wavelength calibration filter sets consist of solid filters and traceable to international standards. The calibration filters are calibrated against master filters, which have been calibrated at the National Institute of Standards and Technology (NIST), MD, USA. Mounted in a filter holder, it is suitable for use with any UV-Visible spectrophotometer sample holder.

CALIBRATION Manual attached

Quality Assurance Manager

Date

#1 10% Neutral Density Filter

No.	Wavelength	T%
1	440 nm	9.712
2	465 nm	11.081
3	546 nm	9.967
4	590 nm	7.858
5	635 nm	7.680

#2 20% Neutral Density Filter

No.	Wavelength	T%
1	440 nm	20.159
2	465 nm	22.044
3	546 nm	20.541
4	590 nm	17.403
5	635 nm	17.113

#3 30% Neutral Density Filter

No.	Wavelength	T%
1	440 nm	28.928
2	465 nm	31.723
3	546 nm	30.447
4	590 nm	23.444
5	635 nm	28.978

#4 220nm Stray Light Filter 220nm 0.013 T%

#5 360nm Stray Light Filter 360nm 0.001 T%

#6 Holmium Filter: Accuracy ± 0.2

No.	Peak @ Wavelength
1	279.00 nm
2	360.50 nm
3	418.50 nm
4	445.50 nm
5	536.50 nm

#7 Didymium Filter: Accuracy ± 0.2

No.	Peak @ Wavelength
1	328.50 nm
2	431.00 nm
3	585.50 nm
4	685.00 nm
5	807.50 nm

#8 BLANK filter for dark current