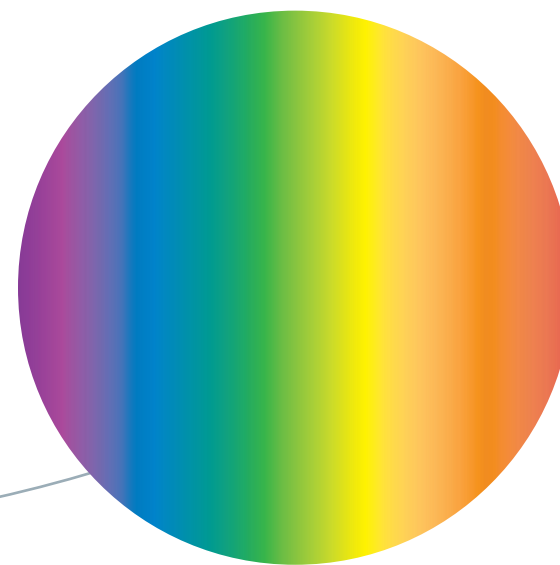




Internal Standards for UV-VIS

- Standards Cover a Wide Range of Wavelengths
- Organic Dyes Absorb Strongly in the UV-VIS Region



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Internal Standards for UV-VIS

UV-VIS internal standards allow the user to accurately measure the concentration of their samples by directly comparing the absorbance of their compounds against that of the internal standard. We offer 6 different standards that cover a wide range of wavelengths (270 nm – 570 nm). Once the user takes a UV-VIS spectrum of their sample, they can find a region in the spectrum that doesn't absorb, and then select the corresponding internal standard, and rerun the spectrum.

All 6 standards are organic dyes, which absorb very strongly in the UV-VIS region. This means the standards are very low concentrations, which minimizes the possibility that it will hinder solubility of the combination of standard and sample. They come in 5 mL ampules, and contain 3.5 mL of the standard. This is the industry standard volume to fill a cuvette.

Description	Wavelength	Concentration	Volume	Matrix	Part #
3-chloro-10-[3-(dimethylamino)propyl]9(10H)-acridinone hydrochloride	270 nm	9.3 ppm	3.5 mL	Water	UV-270W
7-methoxycoumarin-4-acetic acid	323 nm	41 ppm	3.5 mL	Water	UV-323W
Thioflavin T	413 nm	18 ppm	3.5 mL	Water	UV-413W
Coumarin 6	459 nm	32 ppm	3.5 mL	Methanol	UV-459M
Eosin Y	524 nm	15 ppm	3.5 mL	Water	UV-524W
3,3'-diethyloxadicyanin iodide	570 nm	0.4 ppm	3.5 mL	Water	UV-570W



Organic Certified
Reference Materials



Supplied with a
Certificate of Analysis



ISO Accredited
Standards

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