UV/Vis SPECTROPHOTOMETER STANDARDS FOR CONTRACT RESEARCH

When Precision Matters Most

For More Information:

www.inspec.com

To order by phone contact Rachel Stapf at **614-824-3299 extension 121**.

NIST Traceable UV/Vis Validation Standards

Photometric Accuracy Standards (Absorbance)

Color Standards for Short Path Length Instruments and Microplate Readers

Wavelength & Stray Light Standards

APHA Standards

Transmittance Standards

UV/Vis SPECTROPHOTOMETER STANDARDS FOR CONTRACT RESEARCH

UV Standards

Wave-length	UV-1 #8301	UV-2 #8302	UV-3 #8303	UV-4 #8304	UV-5 #8305	UV-6 #8306	UV-7 #8307	UV-8 #8308	UV-20 #8309	UV-30 #8310
250	0.086	0.127	0.177	0.305	0.347	0.447	0.513	0.570	1.135	1.664
254	0.081	0.120	0.165	0.283	0.323	0.416	0.477	0.528	1.054	1.551
260	0.075	0.112	0.152	0.259	0.297	0.382	0.437	0.484	0.967	1.420
280	0.056	0.870	0.112	0.188	0.220	0.283	0.322	0.355	0.715	1.058
300	0.039	0.060	0.079	0.131	0.155	0.201	0.230	0.253	0.508	0.754
350	0.011	0.030	0.042	0.072	0.086	0.110	0.127	0.139	0.284	0.420
400	0.007	0.018	0.026	0.045	0.054	0.069	0.080	0.088	0.179	0.266

Visible Standards

Wave-length	VIS-0.05 #8311	VIS-0.1 #8312	VIS-0.3 #8322	VIS-0.5 #8313	VIS-0.8 #8314	VIS-1.0 #8315	VIS-4.0 #8316
400	0.122	0.260	0.724	1.254	1.882	2.436	3.437
450	0.082	0.177	0.500	0.871	1.323	1.780	3.326
500	0.059	0.126	0.360	0.628	0.957	1.298	3.238
550	0.043	0.093	0.270	0.470	0.719	0.975	3.127
600	0.034	0.072	0.212	0.368	0.566	0.767	2.917
650	0.027	0.056	0.169	0.294	0.450	0.611	2.524
700	0.022	0.045	0.137	0.239	0.365	0.497	2.111
750	0.018	0.037	0.111	0.195	0.299	0.406	1.740
800	0.017	0.030	0.092	0.161	0.247	0.334	1.440

Please note that the values in the table are representative values only and are to assist in picking out the appropriate standard for your application. The actual value of the lot you receive may vary. The data provided is representative of a 10mm pathlength cell.

We Make it Easy and Affordable

Our development team will customize the reference standards to validate your instrument for your application.

To manufacture your custom standards, you will need to provide the following information:

- Wavelength(s) of interest
- Pathlength
- Instrumentation make and model
- Desired sample absorbance range

Our problem-solving lab team is available Monday through Friday from 7:30 am to 4:00 pm EST.

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