

In-Spec® Photometric Standards Selection Guide

How to Use:

Choose your wavelength of interest then go across the chart to find your closest target absorbance value. The top of the column will identify the item number and product name associated with that value.

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	0.070	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-0.5 #8311	VIS-0.1 #8312	VIS-0.3 #8322	VIS-0.5 #8313	VIS-0.8 #8314	VIS-1 #8315	VIS-4 #8316
400	0.122	0.260	0.724	1.254	1.882	2.436	3.43
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	3.12
600	0.034	0.072	0.212	0.368	0.566	0.767	2.91
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.