

# In-Spec<sup>®</sup> 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<br>#8301 | UV-2<br>#8302 | UV-3<br>#8303 | UV-4<br>#8304 | UV-5<br>#8305 | UV-6<br>#8306 | UV-7<br>#8307 | UV-8<br>#8308 | UV-20<br>#8309 | UV-30<br>#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<br>#8311 | VIS-0.1<br>#8312 | VIS-0.3<br>#8322 | VIS-0.5<br>#8313 | VIS-0.8<br>#8314 | VIS-1<br>#8315 | VIS-4<br>#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.