



GFS Chemicals has been manufacturing UV-Vis Photometric Accuracy reference standards for over 20 years for unique customer applications.

IN-SPEC® STANDARDS ARE CUSTOMIZABLE AND CAN BE USED FOR VALIDATING INSTRUMENTS BETWEEN 200 AND 900 NM. ALL MATERIALS ARE TRACEABLE TO NIST SRMs, PRODUCED IN AN ISO9001 FACILITY, AND TESTED UNDER ISO17025 ACCREDITATION.

Aqueous Polymer Suspension

- ↳ NON-HAZARDOUS, HASSLE FREE DISPOSAL
- ↳ GREEN ALTERNATIVE TO POTASSIUM DICHROMATE

Budget Friendly

- ↳ MUCH LESS EXPENSIVE THAN ALTERNATIVES

Ready to Use

- ↳ SIMPLE 'JUST POUR' INSTRUCTIONS

Accuracy

- ↳ NO USER VARIANCE FROM PERFORMING CRITICAL DILUTIONS
- ↳ NIST TRACEABLE

Live Assistance

- ↳ METHOD DEVELOPMENT AND APPLICATION SUPPORT
- ↳ DIRECT DIAL NUMBER TO A REPRESENTATIVE

Customizable

- ↳ DATA PROVIDED AT LABORATORY WAVELENGTH(S) OF CHOICE
- ↳ CUSTOM SIZES = LESS WASTE

Manufactured in Columbus, Ohio

- ↳ IN STOCK AND READY TO SHIP FROM THE MIDWEST





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.

↳ OPTIONS FOR CUSTOMIZABLE MATERIALS, PACKAGING, AND LABELING

VISIBLE LIGHT STANDARDS

Wavelength	VIS-0.05 #8311	VIS-0.1 #8312	VIS-0.3 #8322	VIS-0.5 #8313	VIS-0.8 #8314	VIS-1.0 #8312	VIS-4.0 #8312
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

UV STANDARDS

Wavelength	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	0.091	0.139	0.187	0.321	0.370	0.488	0.552	0.611	1.231	1.825
254	0.084	0.129	0.173	0.296	0.342	0.451	0.510	0.565	1.138	1.688
260	0.077	0.117	0.158	0.269	0.311	0.409	0.462	0.511	1.030	1.532
280	0.056	0.082	0.111	0.187	0.217	0.284	0.317	0.352	0.708	1.054
300	0.042	0.059	0.081	0.134	0.158	0.205	0.228	0.252	0.507	0.755
350	0.024	0.032	0.045	0.073	0.087	0.112	0.124	0.137	0.276	0.411
400	0.015	0.020	0.028	0.046	0.055	0.070	0.077	0.085	0.171	0.254

PLEASE NOTE THAT THE VALUES IN THIS TABLE ARE REPRESENTATIVE VALUES ONLY AND ARE TO ASSIST IN PICKING 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.

