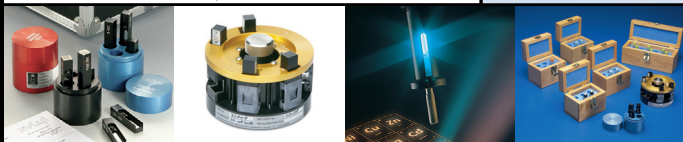


Traceable Spectrophotometer Performance Verification Standards

For Visible and UV-Visible Spectrophotometers

Standard	Part Number	Performance Verification Tests				Available Instruments										Legacy Instruments									
		Photometric Accuracy	Wavelength Accuracy	Stray Light	Resolution	Evolution™ 600 Evolution 300	Evolution 160 Helios™ Zeta Helios Omega UV-10	Aquamate™ Plus	BioMate™ 6	Evolution 60	GENESYS™ 6	BioMate 3 GENESYS 10 UVscan GENESYS 10 Bio	GENESYS 10 Vis	GENESYS 20 Helios Epsilon	SPECTRONIC™ 20 series	Evolution 500 UV300 series UV500 series	Evolution 100 Helios Alpha Helios Beta UV1	BioMate 5	AquaMate	Helios Gamma	AquaMate Vis Helios Delta	GENESYS 2	GENESYS 5 GENESYS 10 UV		
Smart Calibration Validation Carousel (CVC) <i>Automated NIST/NPL-traceable Performance Verification</i>	10010621 (NPL) 10010721 (NIST)	UV-Vis	UV-Vis	UV-Vis		•																			
Calibration Validation Carousel (CVC) <i>Automated NIST/NPL-traceable Performance Verification</i>	9423UV61400E (NPL) 9423UV61460E (NIST)	UV-Vis	UV-Vis	UV-Vis			•	•	•																
Set of 4 Traceable Absorbance Filters <i>Visible absorbance accuracy; Traceable to NIST & NPL</i>	942318503001	Vis				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Set of 9 Traceable Absorbance Filters <i>Visible absorbance accuracy; Traceable to NIST & NPL</i>	942317938091	Vis				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nicotinic Acid Solutions in Hydrochloric Acid <i>Deep UV absorbance accuracy; Traceable to NIST</i>	9423UV95530E	UV				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Potassium Dichromate Solution (1) in Perchloric Acid <i>Recommended by the USP and EP for compliance</i>	9423UV95100E	UV				•			•																
Set of 6 Potassium Dichromate Solutions in Perchloric Acid <i>Recommended by the USP and EP for compliance</i>	9423UV95200E	UV				•			•																
Wavelength/Photometric Accuracy Standard – 0.25A, 0.5A, 0.75A and 1.0A <i>Low-cost UV-Vis standard; Traceable to NIST</i>	222-234700, 222-23480, 222-234900, 222-235000	UV-Vis	UV-Vis									•	•												•
NTRM™ 1930 and 930 <i>NIST-certified; Traceable to NIST SRM 1930 and SRM 930</i>	9423CRM1930E 9423CRM9300E	Vis	UV-Vis			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
NTRM Performance Verification Set <i>NIST & NPL-certified; Traceable to NIST SRM 1930 & 930</i>	9423CRM9400E	Vis	UV-Vis			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SPECTRONIC Standards <i>Low-cost Visible standards set</i>	333150-000	Vis	Vis	UV-Vis										•	•										
Nucleic Acid Standard <i>Sealed standard with certified absorbance at 260 and 280 nm</i>	268-831300	UV				•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Rare Earth in Sulfuric Acid <i>Deep-UV coverage for biological tests, traceable to NIST</i>	9423UV95540E		UV			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holmium Oxide in Perchloric Acid Solution <i>UV-Vis wavelength accuracy; Traceable to NIST SRM 2034</i>	222-226400		UV-Vis			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Set of 2 Traceable Wavelength Filters <i>UV-Vis wavelength accuracy; Traceable to NIST & NPL</i>	942318503112		UV-Vis			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Mercury Lamp Accessory <i>Primary Standard – USP & EP Recommended</i>	10022101 (Evo 600) 10020201 (Evo 300)		UV-Vis			•																			
Mercury Lamp Accessory <i>Primary Standard – USP & EP Recommended</i>	9423UV90023E		UV-Vis																						
Potassium Chloride in Aqueous Solution <i>Validate deep UV Stray Light specifications; Traceable to NIST</i>	9423UV95520E			UV		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Sodium Iodide in Aqueous Solution <i>Validate UV Stray Light specifications; Traceable to NIST</i>	9423UV95500E			UV		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Sodium Nitrite in Aqueous Solution <i>Validate Visible Stray Light specifications; Traceable to NIST</i>	222-226500			UV		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Toluene in Hexane Solution <i>UV Bandwidth & Resolution; Traceable to NIST</i>	222-226600				UV	•			•	•															



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