

# INNOVATIVE SPECTROSCOPY SOLUTIONS FOR LABORATORY COMPLIANCE PERFORMANCE, RELIABILITY AND COMPLIANCE

## Agilent Cary 8454 UV-Vis



The Agilent Cary 8454 UV-Visible spectrophotometer is specifically designed to meet all your pharmaceutical optical spectroscopy needs.

- Agilent has over 30 years experience as the diode array instrument of choice in Pharma!
- Photodiode array detector collects complete wavelength spectra, reducing analysis times. The ideal solution for time-based experiments.
- Open sampling area reduces user error and improves workflow.
- Minimal parts for a robust instrument design and increased productivity
- Multi-component analysis software provides a turn-key solution for analyzing complex mixtures.

The Cary 8454 UV-Visible system is manufactured according to an ISO 9001 quality management system.

An optional 21 CFR Part 11 software compliance package is available that includes dedicated instrument validation software.

The Agilent Cary 8454 UV-Visible system has accessories for liquid analysis; variable pathlength cell holders and water thermostatted multicell holder, an autosampler with pump for high throughput liquid analysis, and a range of online and offline dissolution baths. Driven by UV-Visible ChemStation software, which can be configured for 21 CFR Part 11 requirements, the instrument can perform quantitative analysis, multi wavelength analyses, time-based kinetics assays, and routine QA/QC measurements. Added to this is the assurance that comes from full validation through the qualification services supplied by Agilent.



**Agilent Technologies**

## Everything you need for fast, accurate and compliant measurements

The Cary 8454 UV-Vis has high throughput, low photometric noise, excellent wavelength accuracy and reproducibility, and excellent photometric stability. This allows you to collect high quality, accurate and precise data in a short amount of time.

The system includes a dedicated Verification mode with automated testing to ensure compliance with all pharmacopeia requirements. Agilent Services and Support offers training programs, support agreements, a validation hotline, service contracts, and certification:

## Available Accessories

- Ambient or water thermostatted multicell holders
- Thermostatted single cell holders
- Variable pathlength cell holders
- Autosampler and pump
- Agilent single and multi-dissolution baths

Regulation	Requirement	Agilent Cary 8454 UV-Vis spectrophotometer system
21 CFR Part 11 EU Annex 11	Data security in a protected database for application method and result files	✓
	Data integrity and traceability with system and application audit trails	✓
	Electronic signatures	✓
	Access only for registered users	✓
	Configurable levels of application access and user permissions for efficient workflows	✓
	Archival capabilities	✓
United States Pharmacopeia (USP) British/European Pharmacopeia (BP/EP) Chinese Pharmacopeia (ChP)	Wavelength accuracy and precision	✓
	Photometric accuracy and precision	✓
	Stray Light	✓
	Resolution	✓
Instrument Performance Tests	Noise	✓
	Baseline flatness	✓
	Stability	✓

For more information:  
Contact your local Agilent  
representative or visit:  
**[www.agilent.com](http://www.agilent.com)**

For Research Use Only.  
Not for use in diagnostic procedures.  
This information is subject to change without notice.

© Agilent Technologies, Inc. 2016  
Published November 7, 2016  
5991-4278EN



**Agilent Technologies**