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NanoDrop QC Software for UV-Vis analysis of liquid polymers and chemicals

Improve your sample workflow and get results faster

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NanoDrop QC Software for the NanoDrop One^c Spectrophotometer
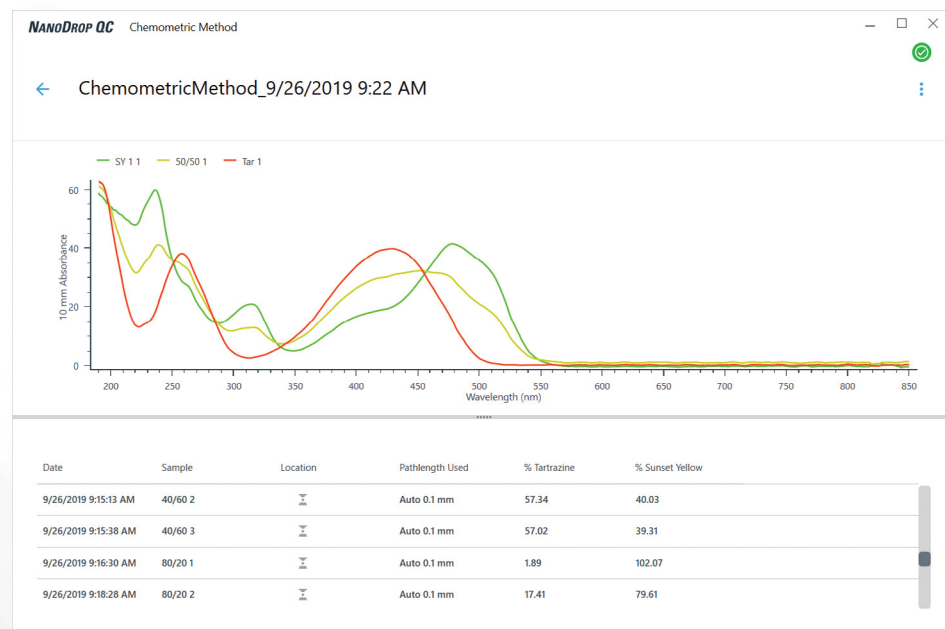
Cuvette-based UV-Vis technology and PC-based chemometric software are staples in the quality analysis of liquids such as dyes, lubricants and adhesives. The sample preparation and analysis of these solutions may include multiple time-consuming processes impacting the release of high-value products. Our innovative, auto-ranging pedestal UV-Vis spectrophotometer eliminates time consuming steps such as dilution of highly concentrated samples and simplifies chemometric data analysis.

Measure highly concentrated solutions without dilution

- Analyze 0.5 – 2.0 µl samples, without the need for cuvettes or capillaries

- Measure samples without needing to know the sample concentration

- Quantify up to 550 AU with automated short path length adjustments

- Upgrade your lab with an alternative to automated liquid handling systems, flow cells, and sub-micro cuvettes

Run on-board chemometric methods

- Simplify chemometric method development with Thermo Scientific™ TQ Analyst™ Software

- Deploy methods directly to Thermo Scientific™ NanoDrop One^c UV-Vis Spectrophotometers around the world

- Achieve Pass/Fail and other quantitative results on the factory floor

- Spend more time on method development and less on data analysis

Date	Sample	Location	Pathlength Used	% Tartrazine	% Sunset Yellow
9/26/2019 9:15:13 AM	40/60 2		Auto 0.1 mm	57.34	40.03
9/26/2019 9:15:38 AM	40/60 3		Auto 0.1 mm	57.02	39.31
9/26/2019 9:16:30 AM	80/20 1		Auto 0.1 mm	1.89	102.07
9/26/2019 9:18:28 AM	80/20 2		Auto 0.1 mm	17.41	79.61

NanoDrop QC Software chemometric spectra analysis of dye samples
Red – Tartrazine
Green – Sunset Yellow
Yellow – 50:50 Mix of Tartrazine and Sunset Yellow

NanoDrop QC Software streamlines your current workflow by eliminating time consuming steps

1. Diluting with solvents, potentially with multiple rounds of dilutions

2. Transfer to quartz cuvette

3. Measurements in several minutes

4. Export data for analysis

5. Run chemometrics on PC

6. Clean quartz cuvettes

1

Pipette sample directly onto the pedestal

2

Data in < 10 seconds

3

Simply wipe the pedestals clean with a lint-free lab cloth

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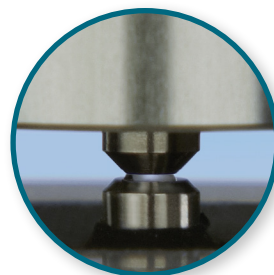# How auto-ranging pedestal technology reduces the need for dilutions

The patented* sample retention system used by NanoDrop One^c spectrophotometer allows for the analysis of 0.5 – 2.0 µl samples, without the need for cuvettes or capillaries.
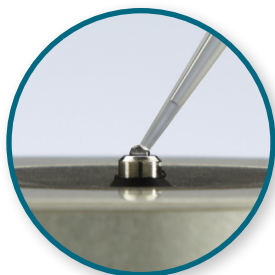
With the arm open, a sample is pipetted directly onto the pedestal.
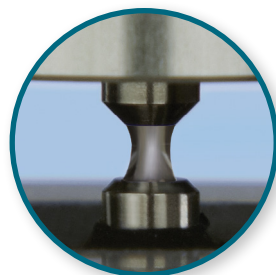
After the arm is closed, a sample column is formed.

The pedestal then moves to automatically adjust for an optimal path length (0.03 – 1 mm).

When the measurement is complete, the surfaces are simply wiped with a lint-free lab wipe before going on to the next sample.

Ordering information

Product	Includes	Cat. No.
NanoDrop One^c Spectrophotometer with NanoDrop QC Software – method developer bundle	NanoDrop One^c with NanoDrop QC Software, NanoDrop QC PC Software, Security Suite for NanoDrop QC, TQ Analyst Pro	912A1025**
NanoDrop One^c Spectrophotometer with NanoDrop QC Software – technician bundle	NanoDrop One^c with NanoDrop QC Software, NanoDrop QC PC Software, Security Suite for NanoDrop QC	912A1024**
NanoDrop One^c, non-WIFI, Spectrophotometer with NanoDrop QC Software – method developer bundle	NanoDrop One^c, non-WIFI version, with NanoDrop QC Software, NanoDrop QC PC Software, Security Suite for NanoDrop QC, TQ Analyst Pro	912A1030
NanoDrop One^c, non-WIFI, Spectrophotometer with NanoDrop QC Software – technician bundle	NanoDrop One^c, non-WIFI version, with NanoDrop QC Software, NanoDrop QC PC Software, Security Suite for NanoDrop QC	912A1031

* US Patents 6,628,382 and 6,809,826
** Wi-Fi model not available in all countries. Please contact your NanoDrop distributor to confirm the correct part number in your region.

Learn more at **thermofisher.com/nanodropqc**

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