

## Prepare for measurement

Web browser

Spectrophotometer



NanoCuvette™ box

DI-water

Sample

## Sign in to app.spectroworks.com

If you do not have an account, press "Sign up".

A verification code will be sent to your email address to confirm the account. Check your spam folder if you have not received the email in your inbox.

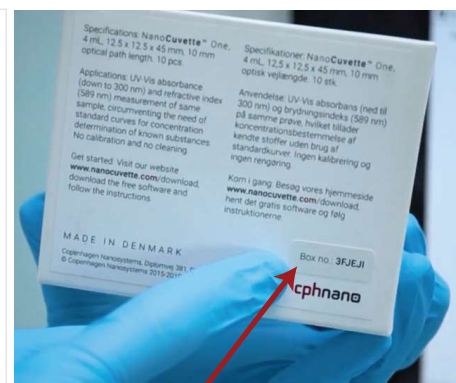
## Step 1 - Create project and measurement

Create a new project and choose your desired results.

Create | View

Go to the create tab to start a measurement.

## Step 2 - Enter box code



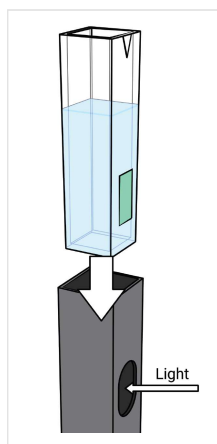
Find the box code at the bottom of your NanoCuvette™ box.

## Step 3 - Select NanoCuvette™ in box

Pick a Nanocuvette™ in the box and select it by clicking the corresponding number on the screen.

Select "Import file" as your acquisition method.

## Step 4 - Acquire reference B-side spectrum



Carefully dispense DI-water into the NanoCuvette™.

Place the NanoCuvette™ in the cuvette holder of your spectrophotometer with the B-side (side with the optical filter) facing the light source.

Acquire the reference B-side spectrum with your spectrophotometer. The scanning interval should include 550 - 800 nm. For best results use the highest possible scanning resolution. The software supports up to 4500 datapoints per spectrum.

Save the measurement as a .txt or .csv file.

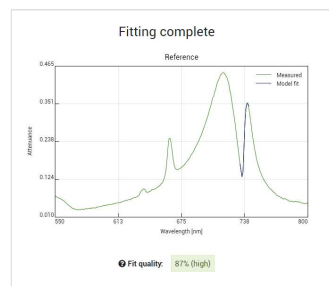
## Step 5 - Upload reference spectrum



Upload your reference spectrum by dragging the file onto the blue box or clicking on it and choosing your file.

Once uploaded, the reference spectrum for DI-water will be shown. Click "Next" to fit the software model to your reference spectrum.

## Step 6 - Check reference quality

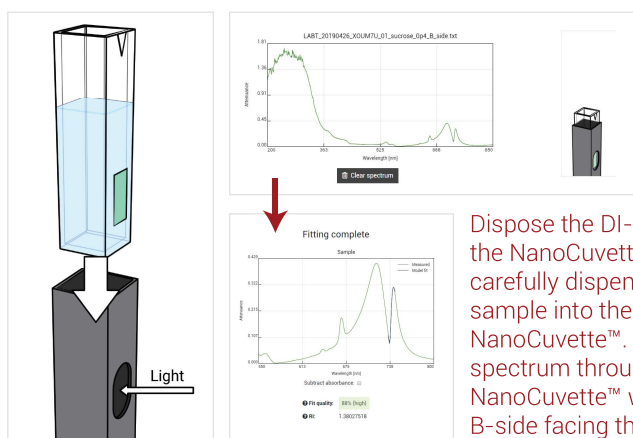


The reference spectrum is acceptable if the fit quality is above 75%. If the quality is lower, try the following and then acquire a new reference spectrum:

- Ensure that the NanoCuvette™ is placed in the instrument with the optical filter facing the light source.

- Ensure that the height of the light path of your spectrophotometer is between 8.5 mm and 15.0 mm.
- Try another unused NanoCuvette™.
- Increase the wavelength resolution.
- Contact our customer support on our website chat, by mail support@cphnano.com, or call +45 36 99 27 46.

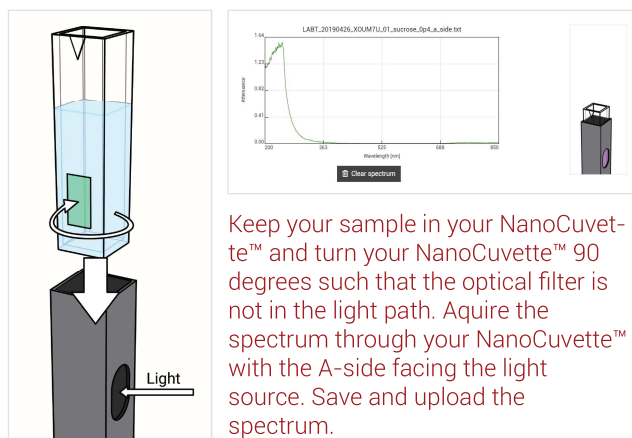
## Step 7 - Acquire sample B-side spectrum



Remember to acquire the spectrum using the same settings as in step 3.

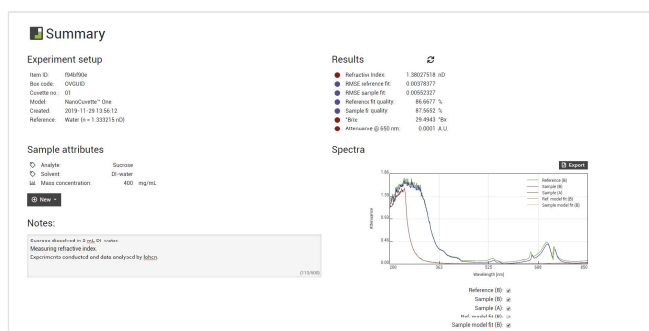
Dispose the DI-water from the NanoCuvette™ and carefully dispense your sample into the NanoCuvette™. Acquire the spectrum through your NanoCuvette™ with the B-side facing the light source. Save and upload the spectrum. Click "Next" to fit to the software model.

## Step 8 - Acquire sample A-side spectrum



Keep your sample in your NanoCuvette™ and turn your NanoCuvette™ 90 degrees such that the optical filter is not in the light path. Acquire the spectrum through your NanoCuvette™ with the A-side facing the light source. Save and upload the spectrum.

## Step 9 - View and export results



View your experiment setup, spectra and results. It is also possible for you to type in your sample attributes and notes, for you to easily compare experiments and print a report. The spectra can be exported by clicking on the "Export"-button.

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For SpectroWorks™ version 0.9.7.