**Lambda 1050 – Standard Operating Procedure**

1. If you need to install hardware accessories, always do this with the instrument switched off.
2. Switch on the instrument, ideally 1 hour before your experiment to allow time for lamps to warm up and stabilize.
3. Start the UV WinLab Software. Login as Administrator, no password required.
4. Select a method from the list, for example one of the “Chalmers” methods. Note: right click and select Edit mode if you want to modify the method.
5. Please create your own folder under User methods, and save your methods there.
6. Check your method settings:
   1. Data collection
      1. Set your measurement range
      2. Set your ordinate mode (Absorbance, Transmittance or Reflectance)
7. Do a background measurement:
   1. Check that the beam paths are free from obstruction
   2. Close the sample compartment and click Autozero  
      **Or:**
   3. Place your reference in the sample position
   4. Close the compartment and click Autozero (if you do this, keep reference position empty during your measurements)
8. Sample info in method:
   1. Adjust the number of samples you plan to characterize
   2. Enter the sample ID and description (this can be done for all samples at once or as your experiments progress)
9. Run your experiment:
   1. Place your sample in the sample position and, if relevant, place a reference in the reference position.
   2. Click Start.
   3. If you have more than one sample: exchange your sample and click OK to use the same settings, or click cancel and modify your settings.
10. Save your data:
    1. Select File -> Save Results -> New Task. The task includes all the raw data and csv-files. After saving, move your task (using the UV WinLab Explorer) to your own folder under User tasks.
    2. Optionally, right click on the spectra in the Graph window and select save. Move your data to the Save UVdata here folder on the Desktop.
11. Finish:
    1. Switch off the instrument. Remove any accessories you added.