

LABORATORY #3_ Over the Counter (OTC) Medication Testing in Forensic Context

LAB #3_ Worksheet 1

- 1) Draw structures of all compounds tested or mentioned in this video.
- 2) Find UV-vis spectrum of each compound.
- 3) Use NIST Chemistry Webbook: <https://webbook.nist.gov/chemistry/> to find information about all compounds mentioned.

LAB #3_ Worksheet 2

- 1) Plot data provided.
- 2) Compare spectra of compound.
- 3) Determine maximum absorbance from each spectrum.

LAB #3_ Worksheet 3

- 1) Identify 2 cases from CanLII which mention UV-vis spectroscopy.
- 2) In the cases, what drugs or metabolites were tested using spectroscopy?
- 3) What information was provided from such analysis (concentrations, yes/no, confirmation of structure, standard or reference comparison)?