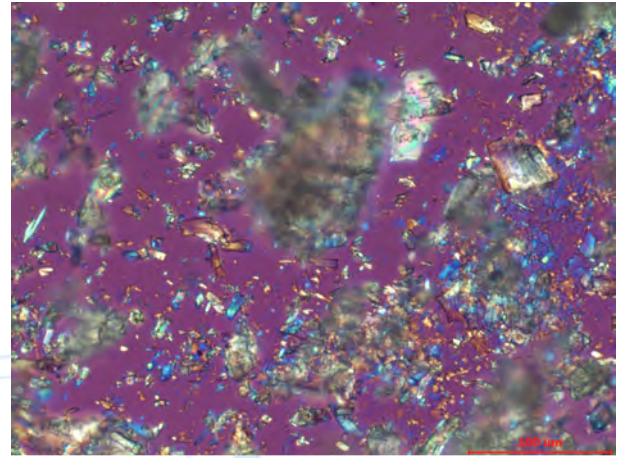
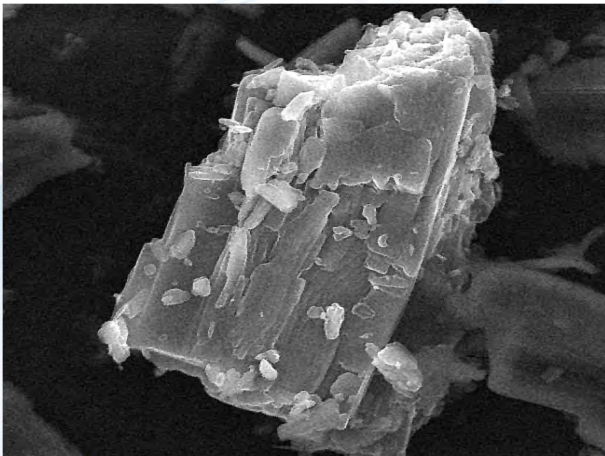


## UNKNOWN MATERIAL IDENTIFICATION

Often materials are recovered from environmental sampling sites, manufacturing facilities, or inside buildings that are of unknown composition. Calling for these materials to be tested using conventional environmental or product testing methods can be difficult due to the unknown nature of a sample. MicroVision Labs can perform a number of individual tests designed to classify unknown materials and then select the appropriate methods for further testing. Optical microscopy can be used to characterize materials in a sample, as well as several other methods, which will allow for the nature of the unknown material to be determined.



Crystals of Unknown Material under PLM with Waveplate



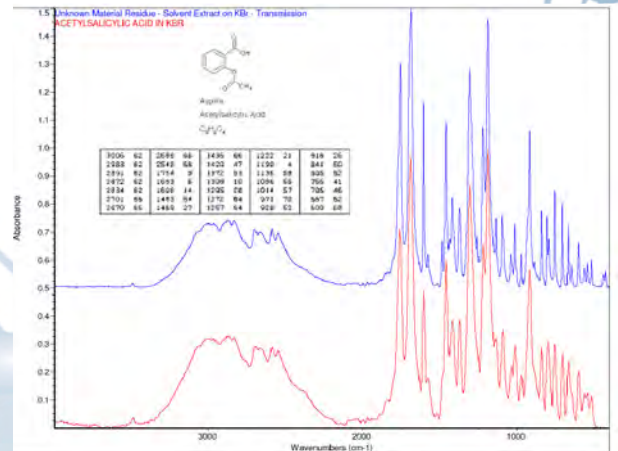
Individual Unknown Crystal Morphology

### Advantages:

- Identification of a wide range of materials, including solids, liquids, powders, and multi-phase samples
- Multiple analytical techniques are selectively used to identify unknowns
- Mixtures can be chemically or mechanically separated in order to gain additional insight into the sample composition
- Determination of the overall composition giving direction to further quantitative chemical testing
- Standards provide insight into mixing, alterations, or infiltrations of unknowns in a mixed sample

### Application Fields:

- Environmental Testing
- Home Inspection
- Manufacturing and Process Engineering
- RMA Investigation
- Insurance Investigation
- Product Examination
- Home Owners/Private Parties



Comparison of IR Spectral Profiles

Learn more at <http://www.MicroVisionLabs.com>