Setting up the Portable NIR 512 Spectrometer

1st Step: After allowing the computer to completely boot up (turn on), use the USB cable to connect the spectrometer and computer.

2nd Step: Remove caps from the spectrometer and lamp. Put them in an envelope to prevent losing them. The cap from the fiber optic probe can also be stored in the envelope during spectrometer use.

- 5 Fiber SMA Connector attaches to lamp.
- 1 Fiber SMA Connector attaches to Spectrometer.
- 1 m Fiber optic reflectance Probe.

Connect the fiber optic cables to the spectrometer and lamp. Be sure to match the marked cable to the lamp. The fiber optic cables are made of glass, so be careful not to bend the fiber too sharply or you could break the glass fiber.
Be sure that the tip of the probe is level with the block opening to prevent damage to the reference standard.

Insert the fiber optic probe into the probe block at a 45° angle and tighten the appropriate screw to secure it.

Place the probe block into the ring stand and tighten the clamp.

Turn on lamp using the power switch.

Allow the lamp to warm up for 15 minutes before collecting reference spectra.

Make sure the lamp and spectrometer batteries are connected to the appropriate device. Plug the batteries into electrical outlets.

After the spectrometer is completely set up, open SpectraSuite.

Final Portable NIR 512 Spectrometer Setup

Tablet Computer

Probe Block

Spectrometer

Fiber Optic Cable

Light Inhibitor

Reference Standard