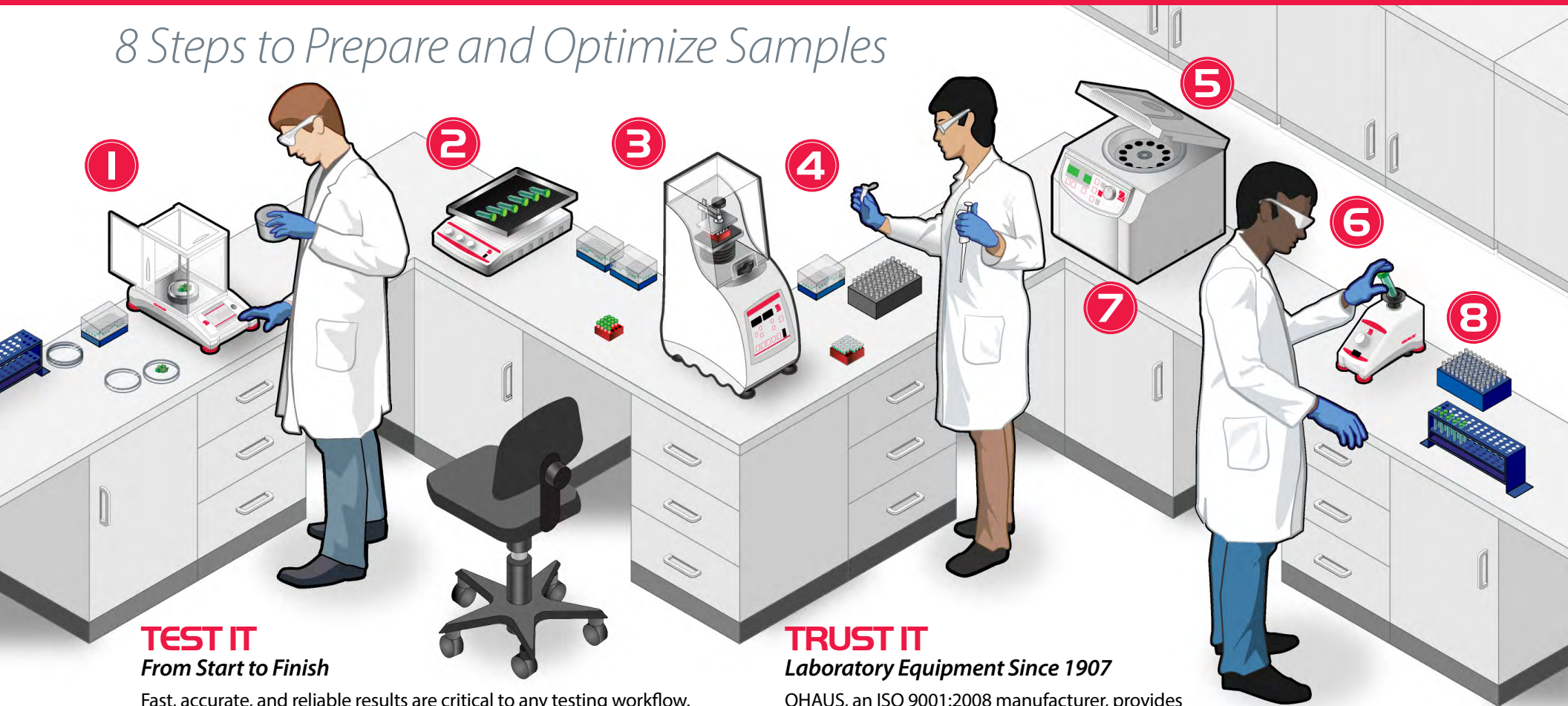


8 Steps to Prepare and Optimize Samples



TEST IT From Start to Finish

Fast, accurate, and reliable results are critical to any testing workflow. Follow these six steps and see how OHAUS' easy-to-use products help increase efficiency throughout the entire protocol.

TRUST IT Laboratory Equipment Since 1907

OHAUS, an ISO 9001:2008 manufacturer, provides precise, reliable, and affordable products with industry-leading customer support.

Visit www.OHAUS.com for complete details on the products used in this testing protocol.

- 1 WEIGH IT**
 Using the [OHAUS PX Balance](#), weigh out the desired plant sample and place sample into a 50 mL polypropylene centrifuge tube.
- 2 ROCK IT**
 Rock the tubes for 1 minute at 15 rpm using the [OHAUS Open Air Rocker](#) to ensure that the pesticide solution is evenly dispersed. Incubate the samples overnight at 4 °C.
- 3 SHAKE IT**
 Homogenize the samples for 3 minutes at 1300 rpm (preset #3) using the [OHAUS HT Homogenizer](#).
- 4 DISSOLVE IT**
 Combine Acetonitrile, magnesium sulfate and sodium acetate to the homogenate and gently homogenize the sample at 300 rpm for 1 minute using the [OHAUS HT Homogenizer](#).
- 5 SPIN IT**
 Centrifuge the samples at 3000 rpm for 2 minutes on the [OHAUS FC5714 centrifuge](#) with a compatible rotor for 50mL conical tubes.
- 6 MIX IT**
 Transfer sample to a 15 mL centrifuge tube and gently vortex for 1 minute using the [OHAUS Mini-Vortex Mixer](#).
- 7 SPIN IT AGAIN**
 Centrifuge at 1500 rpm for 2 minutes to pellet the solid material on the [OHAUS FC5714 Centrifuge](#) with compatible rotor for 15 mL conical tubes.
- 8 ANALYZE IT**
 Collect the supernatant and use as the working sample for analysis. Prepared sample can now be placed into GC/MS for analysis.