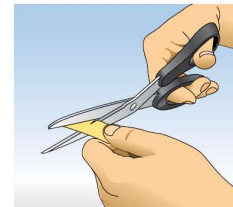


OHAUS Moisture Analyzers - Sample Prep

Collection and Preparation

- ✓ Collection and prep critical to moisture readings and reproducibility
- ✓ Important that test sample is a representative, homogenous mix of the material being analyzed
 - Sometimes sample will need to be crushed, ground, or shredded if a solid material
 - Cutting into pieces may be needed for some samples.
 - Very high moisture samples or liquids should be spread on a glass pad to increase surface area
 - Pasty materials should be spread on a glass pad to increase surface area



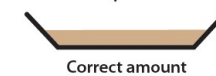
Quantity and Distribution

- ✓ Sample size of 5g is recommended for best compromise between repeatability & test time
- ✓ Sample size of 20g recommended for $\leq 1\%$ moisture content
- ✓ Minimum weight is 0.5g, if testing expensive or difficult to obtain materials
- ✓ Avoid making piles and ensure even thickness
- ✓ Try to use close to the same sample size every time for good repeatability (+/- a few percent is fine)

Use of Glass Fiber Pads

- ✓ Useful media for applying liquid, oily, or pasty samples
- ✓ Inert and porous
- ✓ Decreases sample surface tension and increases overall surface area
- ✓ Helps to shorten analysis time
- ✓ Samples that tend to burn or “skin” can be sandwiched between 2 glass pads protecting the sample from direct radiated heat.

Correct sample distribution



Incorrect sample distribution

