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TLW0010M - Weight of Stock Assembly:

The stock, disassembled from the barreled action, will be weighed (Synthetic stock only.) The test samples will be weighed on the Mettler Toledo digital balance (PB8000) located in the Metrology Lab. The rifle's stocks will be weighed once each.

Method:

- Clean the platen of the digital balance, if necessary.
- If the balance is not already on and has been turned on at least 30 minutes for warm-up, turn the balance on and wait 30 minutes for the balance circuitry to stabilize:
- Run the balance calibration routine if necessary
- Make sure the units are set to "lb."
- Label the stock as to which barreled action it came from
- Carefully place the stock on its left side with the stock's approximate front to rear balance point directly
 over the center of the balance platen.
- When the scale settles down, record the weight in the to the nearest 0.1 lb. (Note that the scale has three decimal points displayed.)

Data Required:

- Rifle serial number
- Weight to the nearest 0.1-lb
- Serial number of the Mettler PB8000 balance (it should be SN 2114475246)

TLW0010N - Weight of Barrel Assembly:

The barreled action, disassembled from the stock, will be weighed. Remove the bolt assembly from the barreled action. The test samples will be weighed on the Mettler Toledo digital balance (PB8000) located in the Metrology Lab. The rifle's barreled actions will be weighed once each.

Method:

Check to be sure that the bolt is correctly labeled with the last four digits of its rifle's serial number. This
bolt assembly must be returned to its original rifle or the headspace may change.

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