

# Test Lab Work Request Form

Date Submitted: 10 March, 2000

Tracking #: TLW 0010M

Project #: 241095

Engineer: J.R.SNEDEKER

## Test Objective:

### 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.

## Test Description:

### 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 lb. 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)

### Resource Usage:

Manpower Requirements -

Facility Requirements -

### Test Results Required:

Formal Report: Data Only: X

REQUESTED Completion Date:

### Required Materials/Parts/Equipment (include quantities):

### Test Parts Availability Date:

Start Date: 12 Sept 2000

Completion Date: 12 Sept 2000

Report Date:

Test Assigned To:

*U. Custer Jr*

ET07009

Weight of Bolt Assembly - TLW00100  
 Weight of Barrel Assembly - TLW0010N  
 Weight of Stock - TLW0010M  
 Overall weight - TLW0010L

	Overall	Bolt	Barrel	Stock	Take Down Screws	
B1 -	6.916 *	.654	3.867	2.354	.042	1074
B2 -	6.881 *	.653	3.841	2.345	.042	1346
B3 -	6.891 *	.655	3.844	2.351	.042	1070
B4 -	6.893 *	.654	3.853	2.344	.042	1398.53
B5 -	6.899 *	.655	3.857	2.346	.042	1340
B6 -	6.905 *	.654	3.863	2.347	.042	1328
B7 -	6.897 *	.654	3.857	2.344	.042	1333
B8 -	6.874 *	.653	3.837	2.343	.042	1083
B9 -	6.889 *	.654	3.856	2.338	.042	1063
B10 -	6.900 *	.655	3.861	2.343	.042	1069

Magazine = .215 - Had only one magazine, others taken for testing.

\*Overall weight does not include the magazine weight.

All measurements in Lbs.

ET07010