


Test Lab Work Request Form

Date Submitted: 10 March, 2000	Tracking #: TLW 0010L
Project #: 241095	Engineer: J.R.SNEDEKER
Test Objective: TLW0010L - Overall Weight: <p>The test samples will be weighed on the Mettler Toledo digital balance (PB8000) located in the Metrology Lab. The rifles will be weighed once each with the chamber and magazine empty. The rifle will have only the open sights attached, no scope or other accessories attached.</p>	
Test Description: <u>Method:</u> <ul style="list-style-type: none"> 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." With the chamber empty and the magazine box empty of rounds, carefully place the rifle on its left side with the rifles 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). 	
<u>Data Required:</u> <ul style="list-style-type: none"> 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: 

ET06998

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	
B5 - 6.899 *	.655	3.857	2.346	.042	1140	
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.

ET06999