

INTRODUCTION TO VOLUME CALIBRATION LABORATORY

Volume calibration laboratory is responsible for maintaining the national measurement standards of volume. In further, laboratory is responsible for developing the measurement standards and doing research to improve the capacity and measurement accuracy. The laboratory also provides calibration service to the customer in volume measurement.



Mongolian government proved the national volumetric measurement standards in 1999.

Capacity of volume measurement laboratory

	Measurement standards	Measurement range	Accuracy
1	Standard glass pipette	1 l, 2 l, 5 l, 10 l	$\pm 0.02 \%$
2	Standard metal pipette	50 l	$\pm 0.03 \%$
3	Metal tank	2 l, 5 l, 10 l, 20 l, 50 l, 100 l	$\pm 0.1 \%$
4	Electron balance	2200 g	d = 0.01 g
5	Electron balance	16000 g	d = 0.1 g
6	Electron balance	300 g	d = 2 g
7	Metal tank	10 l, 20 l, 50 l, 100 l	$\pm 0.025 \%$
8	Standard weight	30 g, 1 gk, 10 kg, 20 kg	F2