Table for thickness of test plate:

SN	Initial circular scale reading (On test plate) x (mm)	Number of complete rotations n	Final circular scale reading (On base plate) y (mm)	Main scale reading $M = n \times P$ (mm)	Additional circular scale reading A= $x - y$ Or A= $x - y + 100$	Circular scale reading $C = A \times LC$ (mm)	Thickness of plate = $M + C$ (mm)
1.							
2.							
3.							
4.							
5.							
6.							

$\therefore$ *The mean thickness of the given test plate is*: $t =$………… mm.

$$= …………cm$$

From graph, the area of the given test plate is:

$$A = \frac{A_1 + A_2}{2} = ………… \ mm^2$$

$$= …………cm^2$$

CALCULATIONS

The volume of the given test glass plate is:

$$V = Area \ \times thickness$$

$$V = …………………$$

or, $\quad V = ………… \ cm^3$

And

The density of the given plate is:

$$\rho = \frac{m}{V}$$

$$\rho = …………….$$

or, $\quad \rho =………… \ gram \ cm^{-3}$

PERCENTAGE ERROR

For density of glass:

Standard value, $SV = 2.5 \ gram \ cm^{-3}$

Observed value, $OV =………… \ gram \ cm^{-3}$