	Date
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	Aim:
	P.f /
	Determination of viscosity of liquid using ostwald viscometer.
	205 TWALA VISCOMETER.
	Reference:
	reportence.
	Requirement:
-	
(a)	Chemicals :> Chycerine, distilled water.
Ь	Glassware: Ostwald viscometer, Measuring wlinder, Pippette, beaker, burette stand.
	rippette, heaker, burette stand.
	Theory:
	A fluid with large viscosity resists motion
	because its strong intermolecular forces give
	it a lot of internal priction, resisting the
	movement of layers past one another.
	Viscosity is a measure of a fluids resistance
	to blow. The SI unit of viscosity is poiseible (PI)
	It's other units are newton-second per square
	meter (Ns m-2) 00 pascal-second (Pas).
	Teacher's Signature

## Observation:

S. No	Initial time	final lime
1.	0	3:10 min
2.	0	2:99 min
3	0	2:59 min

Average time =  $\frac{3:10+2:99+2:59}{3}$   $\Rightarrow$   $\frac{8:58}{3}$  min  $\Rightarrow$  2:59 min.

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	Procedure:
_(i)	Wash and dry each glassware.
(ii)	Jake 50%. In of glycerine and water in a beaker
(111)	Take 50 %. Yo of glycerine and water in a beaker.  Min it well and put it in ostwald viscometer and fill it at the marking level by closing one and of viscometer
	end of viscometer.
(iv)	Release the closed end of viscometer and measure
	The time.
(v)	Take the reading atleast three time and calculate overage viscosity.
	average viscosity.
	Result!
	Determination of viscosity of given liquid has been
	successfully determined in the laboratory.
	Teacher's Signature