	Date
Expt. No	Page No. 36
sim:-	
To determine the construction of curve for calcium carbonate.	drying
Reference:	
Khan and Vyas "Industrial Pharmacy Publication and distributors, 4th edi- Page NO=33.	tion,
Requirement: >	
Apparatus: - Petsidish, Hot air oven Weighing balance, Shata Chemicals: - Calcium cashonate.	Ja,
Principle:	
The behaviour of doying of solid is by doying curve. The time requise a batch of weight of material in oven can be estimated with the he doying curve. Doying is a mass to process consists of the removal of other solvent by evaporations from semisolid, liquid. This process is or	lp of sansfer l water or a solid, blained used
as final production steps before, pac Teacher's Signature.	Padio Allan

Observation and Calculation

$$W_1 = 17$$
, $W_2 = 20$, $W_3 = 24$

* At 0 minute :-

"In moishore content =
$$\frac{W_3 - W_1}{W_3 - W_1} \times 100$$

$$= \frac{24 - 20}{24 - 17} \times 100$$

$$= \frac{4}{7} \times 100 = 57.14\%$$

* After 15 minute : > There is no change in the Weight of slussy W3 = 24 gm.

"In moisture content = $\frac{24-20}{24-17} \times 100 = 57.14.1.$

After 30 minute: The weight of sharpy is equal to W_{29} $W_{3} = 20$. $= \frac{20-20}{20-12} \times 100 \Rightarrow \frac{9}{3} \times 100 = 0.4$

Avg moishure content:= $= \frac{52.19 + 52.14 + 6}{3}$ $= \frac{114.28}{3} = 38.9 - 1.$

