Its assay is based on acid-base titration

Sodium bicashonate is very easily estimated by titrating with 0.5 N sulphuric acid or hydochloric acid using methyl orange as an

Teacher's Signature _

Observation

S.No.	Initial reading	final preading	Volume Consumed.
1	0	3.6	3.6 ml
2.	3.6	7.2	3.6 ml
3.	7.2	10.5	3.3 ml

Average =
$$\frac{3.6+3.6+3.3}{3}$$
 = 3.5 ml.

Calculation:

$$= 3.5 \times 0.5 \times 0.042 \times 100$$

$$0.3 \times 0.5$$

% Purity W/w = 4 9 %.

	Date
Expt. No0 4	Page No
indicator.	
2NaHCO3 + H2SO4 -> Na2SO4 +	2H2O +2CO2.
Procedure:-	
1. Weigh 1.5 gm of substance and of water in 250 ml conical flash	dissolve in 50 ml
- I was so my conical flash	
2. Titrate the content of flask with	0.5N of H250q.
2. Titrate the content of flask with using methyl orange as an ind orange red colour appears.	JEOGOS UNTIX
Each 1 ml of 0.5 N H2 SO q = 0.0	42g of NaHCO3.
Result!-	
Nesuu.	
The % purity of sodium bicarbona assay was found to be 49 %	te by chemical
Teacher's S	ignature