	Date
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Aim:	
Determination of 1. of Purity of	borar,
Reference:	
Ances A Siddiqui, LAB Manual Selection of Pharmacentical Analysis, CBS Pu Distributors PVT. Ltd., Page no - 17	blishers and
Requirement:	
Apparatus: - Beaker, Glass rod, fur Conical flask, Measus Spatula, Weight Ma	onel, Ruxette, sing cylinder, chine.
Chemical: - 0.5 M H(S, Methyl Red (indica) Boran.	tor)
Theory:	
Borax, also known as sodium Sodium tetroborate or disodium is an important boron compound	tetraborate.
salt of boric acid. It is us powder consisting of soft color that dissolve easily in water	ually a white sless a systals
Teacher's Sign	

S.N.	Stasting	point	End point	Vol. consumed
1.	00		2.2	2.2
2.	2.2		5	2.8
3.	5		9.5	4.5

Average = $\frac{2.2 + 2.5 + 4.5}{3} = \frac{7.5}{3} = 3.16$.

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	Booax has a wide variety of uses. It is a component of many ingredients detergents, cosmetics, and enamel glazes. It is also used to make buffer solutions in biochemistry, as a fire retardant, as an anti-fungal compound for fiberglass, as an insecticide, as a flux in metallurgy, and as a presurvor for other boron compounds.
	Procedure:
(i	Wash and dry each glassware before proceeding the experiment:
ji)	For standard Solution (HC1)
>	Take 22.5 ml of H(1 in 100 ml of water then make up the volume up to 500 ml.
7	Then take 50 ml of standard solution in burette.
ii)	For sample solution (Borax).
7	Weight accurately 1 gm of borax and dissolve it in 30 ml of water.
	Teacher's Signature

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iv) Take 10 ml conical flask methyl gred ind standard soluti	of sample solution in and add 2.3 drops of icator and titrate it against on (HCI).
Result:	
	purity of the sample was
found to be	purity of the sample was
	Teacher's Signature