

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR-05

(A Govt. Aided UGC Autonomous Institute Affiliated to RGPV, Bhopal)

Department of Chemical Engineering

Chemical Synthesis Lab

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1. To determine BOD & COD for given waste water sample.
 2. Preparation of acetic acid from ethyl alcohol.
 3. To find out the sucrose content in aqueous solution by polarimeter.
 4. To evaluate the viscosity of molasses.
 5. To determine the percentage of formaldehyde in the formalene.
 6. To determined iodine value of the given oil sample.
 7. To determine the acetic acid, ethanol concentration in aqueous solutions.
 8. To prepare azodye and finding the yield.
 9. Prepare a standard phenol solution and estimate the % of phenol in the given unknown sample of phenol.
 10. To prepare urea formaldehyde resin and report % conversion.
 11. To determine total dissolved and suspended solids in water and waste water
 12. To determine turbidity in water and waste water
 13. To determine hardness of water
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