

Laboratory Report

Experiment 10: Nitro and Amino Compounds

Name:.....

Tube no.	Test	Observation	Conclusion
1	Diazonium salt (Aniline + 10% HCl + 5 drops of NaNO ₂)		
2	Hydrolysis of Diazonium salt 1ml of Diazonium salt + 2ml H ₂ O		

Q 1) Write the chemical equation of each one of these reactions:

A) The reduction of nitrobenzene by (Fe metal + HCl)

B) Diazotization (Reaction of aniline with nitrous acid)

C) The hydrolysis of diazonium salt

D) Azo-dye formation

E) Bromination of Aniline

Q2) How can we study aniline basicity and what is its pH range?