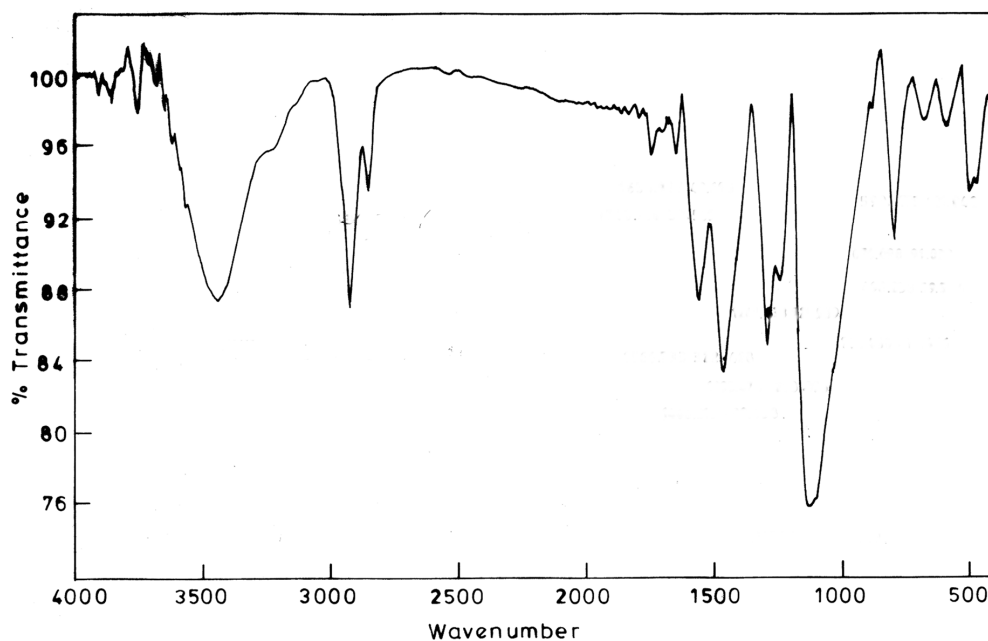
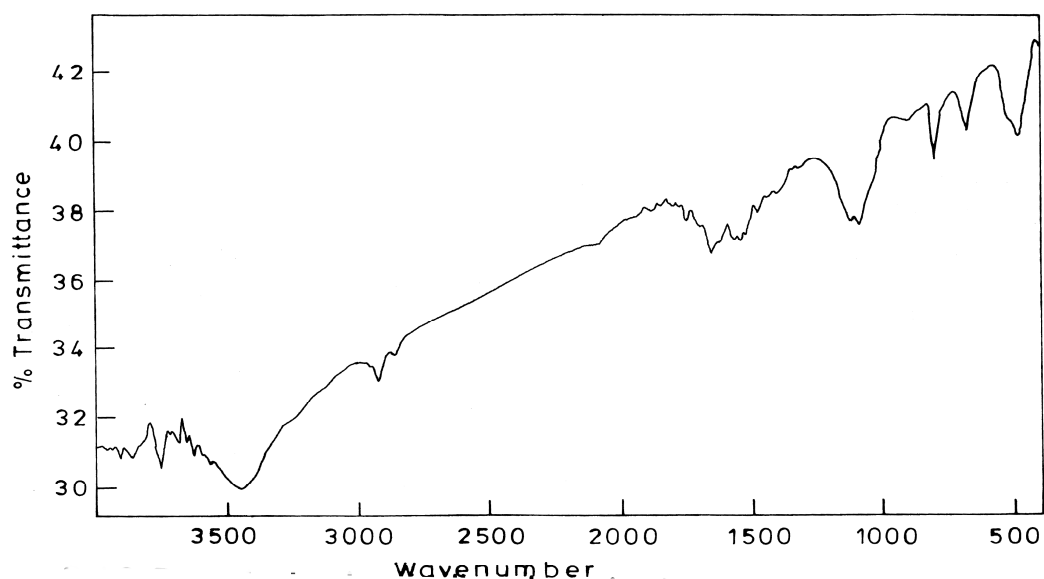


Supplementary Material 1:

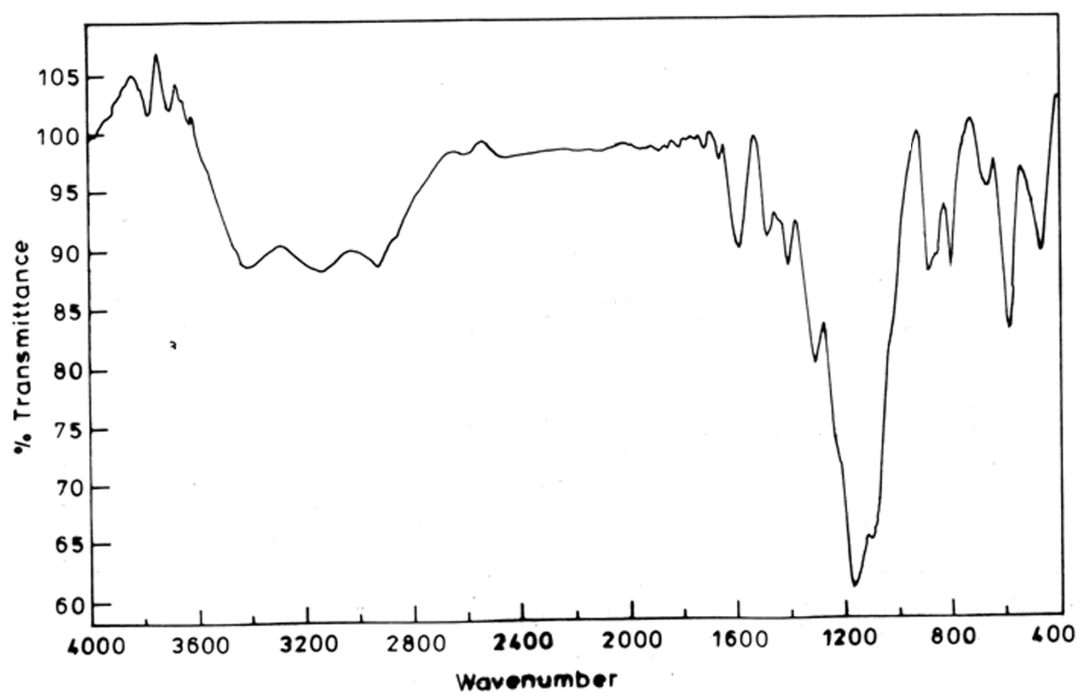
FTIR data of sets 1-6; see text for details.



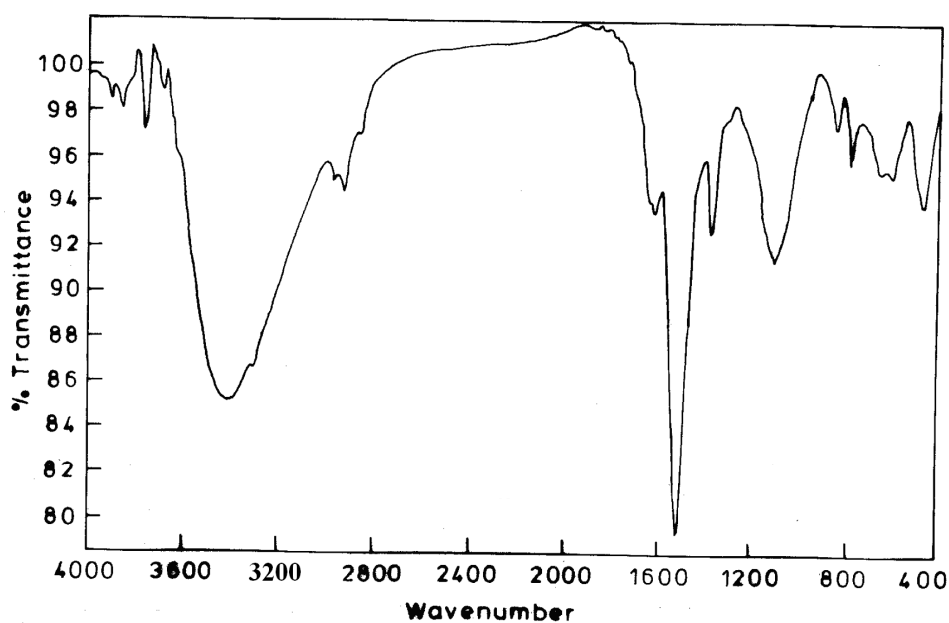
Set 1: Pure chemically polymerized aniline in 1 M sulfuric acid.



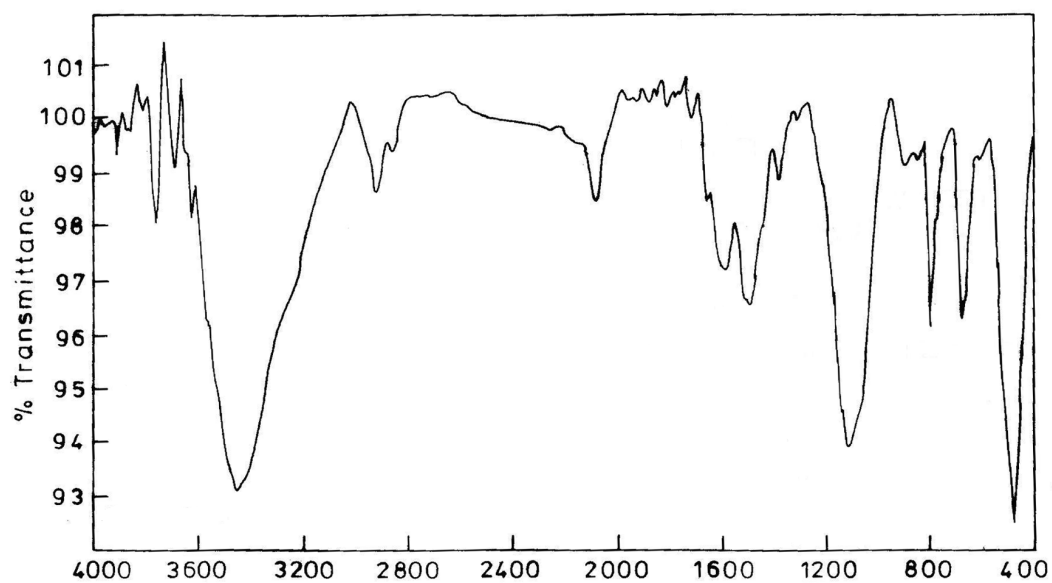
Set 2: Pure electrochemically polymerized polyaniline in 1M sulfuric acid



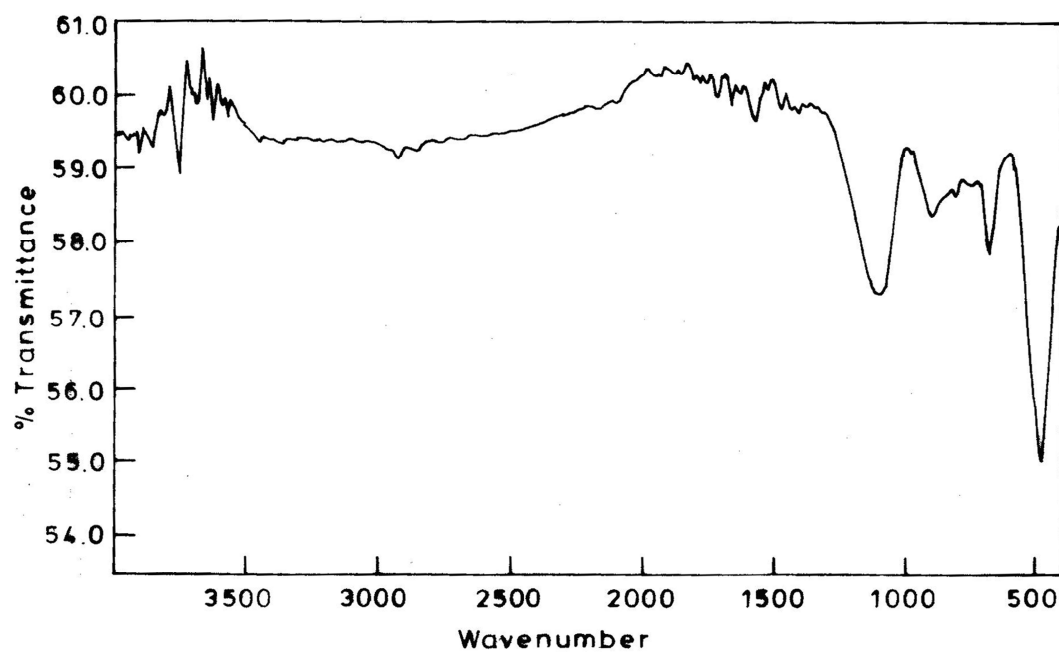
Set 3: Aniline polymerized with PAA over Pt disk electrode in 1 M sulfuric acid (system 1).



Set 4: Aniline polymerized with PAA over Nafion modified electrode in 1 M sulfuric acid (system 2).



Set 5: Aniline polymerized with PAA over MWCNTs modified electrode in 1 M sulfuric acid.



Set 6: Aniline polymerized over Nafion- MWCNTs modified electrode in 1 M sulfuric acid.

Supplementary Material 2

