

Contents

Experiment 1: Separation and determination of R _f of a given dye using paper chromatography	1-2
Experiment 2: Separation of the amino acid using thin layer chromatography	3-4
Experiment 3: Isolation of plant pigments using column chromatography	5-7
Experiment 4: Determination of ethanol in Beer by Gas Chromatography	8-10
Experiment 5: Determination of Caffeine in coffee and tea by HPLC	11-14
Experiment 6: Estimation of the given ferrous ammonium sulphate potentiometrically	15-16
Experiment 7: Determination of Chloride in water by chloride ion selective electrode	17-19
Experiment 8: Determination of F ⁻ in unknown ion selective standard addition method	20-23
Experiment 9: Estimation of the concentration of hydrochloric acid using conductometric titration	24-26
Experiment 10: Determination of % composition of mixture of methanol and ethanol by refractive index	27-30
Experiment 11: Coulometric titration of hydrochloric acid	31-33
Experiment 12: Determination of formal potential and diffusion coefficient of Fe (CN) ₆ -3 by cyclic voltammetry	34-37