

Lab Requirement for the MCHL-001 Lab Course of the PGDAC Programme

Apparatus

Beaker	Conical flasks
Watch glass	pH meter with electrode
Weighing bottle	Volumetric flasks
Beaker cover	Conical flasks
Measuring cylinder	Funnel
Water bath	Pipette
Funnel	Burette stand with clamp
Glass rod	
Policeman rod (glass rod with rubber tip)	Glass funnel
Tripod stand	
Wash bottle	
Gooch sintered glass crucible	
Desiccator	
Analytical / Electronic balance	
Wire gauze	
Burette	

Chemicals

Brass (sample to be analyzed)	Ammonium chloride
Nitric acid (AR grade)	Methyl red
Ammonium iodide (AR)	Vitamin C tablets
Ashless filter paper pulp	Potassium iodide
Whatman ashless tablet	Sodium thiosulphate
Whatman filter paper	Sulphuric acid
Distilled water	Sodium carbonate
Nickel steel (analyte sample)	Starch
Hydrochloric acid (AR) : 6M	Bleaching powder
Dimethylglyoxime in ethanol 1% (w/v)	Potassium dichromate
Dilute ammonia solution (6M)	Sodium bicarbonate
Tartaric acid 15% (w/v)	Acetic acid
Phosphoric acid	Silver nitrate
Sodium hydroxide	Sodium chloride
Bromocresol green indicator	Potassium chromate
Phenolphthalein	Fluorescein
Buffer solutions for pH meter	Zinc sulphate heptahydrate
Calcium carbonate	Potassium ferrocyanide
Disodium EDTA	Diphenylamine
Magnesium chloride	Ammonium sulphate
Eriochrome black-T indicator	
Ammonium hydroxide	