

Practical Preparation List Prelims 2025

label	per candidate	identity	notes (hazards given in this column are for the raw materials)
FA 1	150 cm ³	0.150 mol dm ⁻³ sodium thiosulfate	Dissolve 37.23 g of Na ₂ S ₂ O ₃ ·5H ₂ O in each dm ³ of solution.
FA 2	260 cm ³	1.0 mol dm ⁻³ sulfuric acid	See preparation instructions in the current syllabus.
FA 3	60 cm ³	1.00 mol dm ⁻³ KI	Dissolve 166.0 g of KI in each dm ³ of solution.
FA 4	150 cm ³	0.130 mol dm ⁻³ CuSO ₄	Dissolve 32.5 g of CuSO ₄ ·5H ₂ O [MH] [N] in each dm ³ of solution.
starch indicator	15 cm ³	starch indicator	
FA 5	200 cm ³	1.9 mol dm ⁻³ NaOH	Dissolve 76.0 g of NaOH in each dm ³ of solution.
FA 6	30 cm ³	0.1 mol dm ⁻³ CuSO ₄ with 0.8 mol dm ⁻³ Al ₂ (SO ₄) ₃	Dissolve 24.97 g of CuSO ₄ ·5H ₂ O [MH] [N] in each dm ³ of solution. Dissolve 533.14 g of Al ₂ (SO ₄) ₃ ·18H ₂ O in each dm ³ of solution.
FA 7	30 cm ³	0.1 mol dm ⁻³ NH ₄ Cl	Dissolve 5.349 g of NH ₄ Cl in each dm ³ of solution.
FA 8	30 cm ³	0.1 mol dm ⁻³ Glucose solution	Dissolve 19.80 g of D(+) Glucose in each dm ³ of solution.
Bench Reagents		1) aqueous sodium hydroxide 2) aqueous ammonia 3) aqueous barium nitrate 4) aqueous silver nitrate (concentration for Tollen's Reagent), 5) dilute nitric acid 6) limewater 7) starch indicator	