

TLC Stain Recipes

Anisaldehyde	9.2 mL p-anisaldehyde 3.75 mL AcOH 338 mL 95% ethanol 12.5 mL conc. H ₂ SO ₄
Potassium Permanganate	3g KMnO ₄ 20g K ₂ CO ₃ 5mL 5% NaOH (aq) 300 mL H ₂ O
PMA	35g phosphomolybdic acid 1 pint 95% ethanol
Ceric Ammonium Molybdate	40 mL conc. H ₂ SO ₄ 360 mL H ₂ O 10g ammonium molybdate 4g ceric ammonium sulfate
Vanillin	3 g vanillin 50 mL 95% ethanol 15 mL 2M H ₂ SO ₄
Ceric Sulfate	8g Ce(SO ₄) ₂ •2H ₂ SO ₄ 100 mL 15% 2H ₂ SO ₄ (aq.)
2,4-DNP	12g 2,4-dinitrophenylhydrazide 60 mL conc. H ₂ SO ₄ 80 mL H ₂ O 200 mL 95% ethanol
Copper Sulfate	3% (w/v) CuSO ₄ 15% H ₃ PO ₄ (aq.)
Iodoplatinate	10mL 5% PtCl ₂ solution 5 mL conc. HCl 240 mL 2% aqueous iodide solution