

Chemicals & Equipment Recommended for BMP Tests

List of chemicals and equipment required to run a BMP test with the AMPTS III system

Chemicals

1. Cellulose microcrystalline, powder – *or alternative positive control*
2. Sodium hydroxide, pellets
3. Thymolphthalein
4. Ethanol 99.5 %
5. N₂ gas tube 10 or 20 L and a pressure regulator – *or alternative flushing gas/if flushing required*

Additional Lab equipment

1. Furnace for TS and VS determinations – recommended Compact Muffle Furnace (model LE 14/11 220 x 300 x 220 mm)
2. Drying oven for TS determination - recommended ED23 (222 x 277 x 330 mm)
3. Desiccators (including desiccator plate in porcelain, drying beads, etc)
4. Porcelain crucibles
5. Precision Balance
6. Standard laboratory glassware and measurement equipment – recommended:
 - 2 x beakers 1000 mL
 - 2 x beakers 25 or 50 mL, 2 x bottles 2L
 - 2 measuring cylinders 10 mL
 - 2 x measuring cylinders 1 L
 - measuring jug 2 L
7. Spatulas, recommended 2 x 180 mm
8. Disposable gloves
9. pH indicator strips
10. Waste containers for NaOH waste - recommended 5L
11. Lab safety equipment (disposable gloves, lab coat, goggles)
12. Adhesive tape and markers for labelling
13. Scissors or tubing cutter