

AS and A-level Chemistry practicals: Equipment set up

Practical 2: Measurement of an
enthalpy change

Enthalpy change

- This practical uses anhydrous copper sulphate which is white (or very pale blue) in colour.
- It is advisable to dry the anhydrous copper sulphate in an oven before use as it tends to absorb some moisture on storing.

Enthalpy change



Collecting data

- The cup can be stood on a block or other apparatus to raise its height if required to make the thermometer easier to read.
- The thermometer should be clamped so the scale can be read but the end of the thermometer is in the solution.
- A separate stirring rod can be used.

Collecting data

- The solution could be stirred carefully with the thermometer if the cup is secure or a magnetic stirrer on a low speed could be used if the cup was clamped securely.
- Putting the polystyrene cup in a Pyrex beaker and clamping the beaker prevents the polystyrene cup from tipping when being stirred.

Collecting data

