

Carbonyl compounds - Identifying an aldehyde or ketone

It is possible to distinguish between _____ and _____ with other carbonyl containing compound such as _____ and _____ by adding:

If an aldehyde or ketone is present an _____ ppt will form.

It is possible to identify the specific aldehyde and ketone present because each ppt compound that forms has a specific _____.

Steps to identify a specific aldehyde or ketone:

1. Add _____ an _____ will form.
2. _____ and _____ the _____.
3. Measure the _____ and look up in a data booklet.

Identifying between aldehyde and ketone

Aldehydes _____ to _____. Ketones are _____ to oxidation.

Two oxidising mixtures that can give observable results are:

1.

Conditions:

Result:

2.

Conditions:

Result

