

sodium dichromate (VI)

oxidising agent

nitric acid

oxidising agent

acidified potassium manganate (VII)

test for alkene (purple - discolours)

bromine water

test for alkene (brown - colourless)

benedict's solution

test for aldehydes (blue to red)

sulphuric acid

dehydrating agent

aluminium oxide

dehydrating agent

phosphoric acid

dehydrating agent

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The identity of the alkyl group

The length of the longest chain

2 - methylpropan-2-ol

The location of the alkyl group

The location of the hydroxyl group

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