

**Organic synthesis**

Specification reference	Checklist questions	
4.2.3 a i	Can you list and describe the techniques and procedures for use of Quickfit apparatus including for distillation and heating under reflux?	<input type="checkbox"/>
4.2.3 a ii	Can you describe preparation and purification of an organic liquid including the use of a separating funnel to remove an organic layer from an aqueous layer?	<input type="checkbox"/>
4.2.3 a ii	Can you describe preparation and purification of an organic liquid including drying with an anhydrous salt (e.g. $\text{MgSO}_4$ , $\text{CaCl}_2$ )?	<input type="checkbox"/>
4.2.3 a ii	Can you describe preparation and purification of an organic liquid including redistillation?	<input type="checkbox"/>
4.2.3 b i	Can you describe an organic molecule containing several functional group identification of individual functional groups	<input type="checkbox"/>
4.2.3 b ii	Can you describe an organic molecule containing several functional groups prediction of properties and reactions	<input type="checkbox"/>
4.2.3 c	Can you describe an organic molecule containing several functional groups two-stage synthetic routes for preparing organic compounds?	<input type="checkbox"/>