

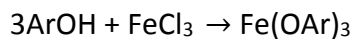
## Question#71555 – Chemistry – General chemistry

**Question:** Why add pyridine and methylene chloride for ferric test?

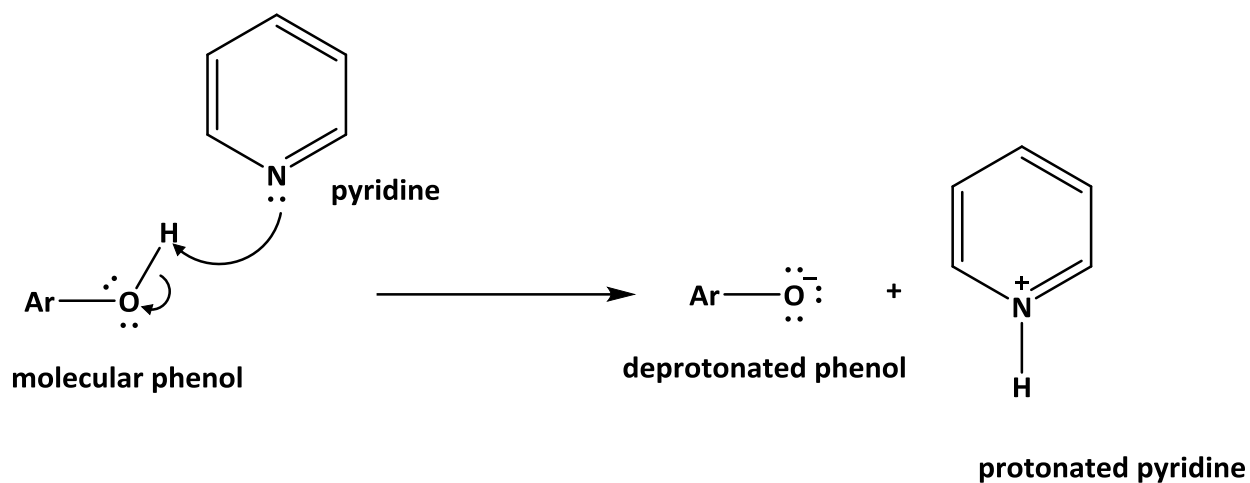
**Answer:** Methylene chloride for ferric test is used as solvent and pyridine is used as base.

Most of phenols do not dissolve in water, so we use  $\text{CH}_2\text{Cl}_2$  for dissolving a sample.

Ferric test is based on the reaction:



Where  $\text{Fe}(\text{OAr})_3$  is a colored compound, but molecular phenols can not react by the reaction, because are protonated. We use pyridine as base for deprotonation of phenols:



Answer provided by <https://www.AssignmentExpert.com>