

**This flowchart is for simple mono-functional compounds only! Alkyl groups and aromatic rings are not considered part of the functional group count!**

The presence of aromatic rings is considered before using this chart. Three sets of bands dictate an aromatic ring is present:

1. medium 3000-3050  $\text{cm}^{-1}$  band AND
2. two bands at 1500 & 1600 AND
3. an overtone of bending region with weak bands at 1680-2000  $\text{cm}^{-1}$  (may be obscured by C=O)

