

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

