Printed graph referenced as "absorption spectrum of methyl alcohol in carbon tetrachloride solutions"

Contributors

Randall, J. T. (John Turton), 1905-1984

Publication/Creation

August 1949

Persistent URL

https://wellcomecollection.org/works/sd3u9zxg

wellcome collection

Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
https://wellcomecollection.org

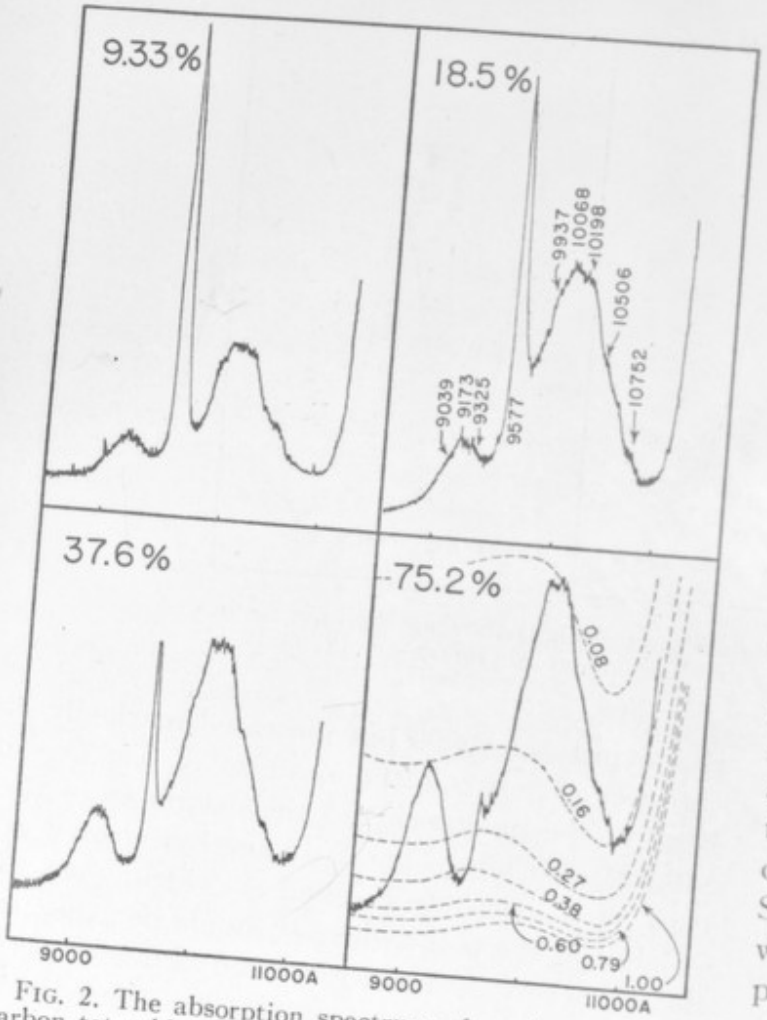

FIG. 2. The absorption spectrum of methyl alcohol in carbon tetrachloride solutions. The concentrations are in mole percent and the path lengths were inversely proportional to the concentration so that the amount of alcohol in the path was constant. The broken curves in the last diagram represent the background blackening with only carbon tetrachloride in the cell and with screens of the transmissivities indicated interposed in the path.

which are designated with wave-lengths are definitely real.

Though the origin of the high frequency association band may be in some doubt we have no hesitation in ascribing the broader and more intense one to a shifted O—H vibra