

## Adsorption separation of carbon dioxide, ethanol and monoethanol amine gas by activated carbon

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In this study, a small portions of ethanol and mono ethanolamine(MEA) in carbon dioxide mixture were eliminated by adsorption of activated carbon. The ranges of temperature and pressure for the experimental measurements are from 293.15K to 323.15K and from 15bar to 80bar, respectively. The Langmuir, Langmuir-Freundlich isotherm has been applied to correlate to experimental data.