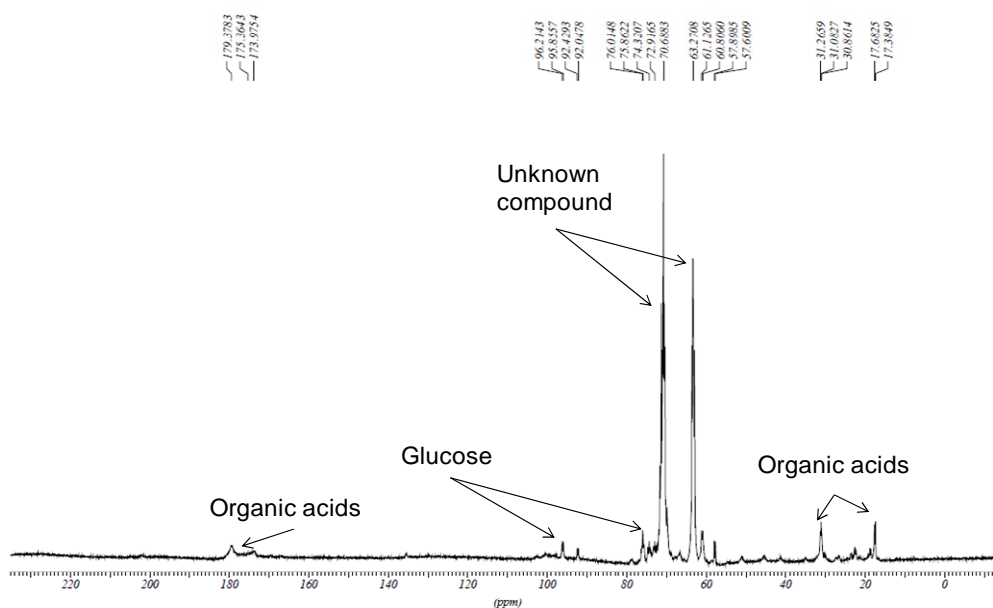


# Macromolecular and elemental composition analysis and extracellular metabolite balances of *Pichia pastoris* growing at different oxygen levels

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## Additional file 4 – NMR spectrum of a hypoxic culture broth



<sup>13</sup>C NMR spectrum of a D<sub>2</sub>O-resuspended lyophilised hypoxic culture broth sample in a Bruker Avance 500 MHz spectrometer.