

## **Solubility of Lycopene in Supercritical Carbon Dioxide**

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In this work, solubilities of lycopene in supercritical carbon dioxide were measured in the temperature range of 313 to 323 K and at pressures up to 25 MPa. The experimental apparatus is based on a circulating principle and consisted of a high-pressure view-cell made of stainless steel, and a recirculating pump. The solid was quantified on an HPLC pump and samples were taken from the cell by using a two-way six-port valve. Experimental solubilities of lycopene in supercritical carbon dioxide from this work were in agreement with those reported in literature in the studied range.