Key Features

- **Overcomes the challenges of extracting valuable phytochemicals from plant oil caused by the high miscibility of phytochemicals in the hydrophobic oil medium**
- **Exploits the solubility of phytochemicals in the molten stearin carrier by manipulating the hydrophobicity of bulk medium with antisolvent**
- **Precipitation of carrier is induced by a change in temperature, and the phytochemicals concentrated in the precipitated can be recovered by a simple solid-liquid separation**
- **Proven effective in extraction of carotenoid from palm oil and its derivatives**

Advantages

- **Operates under mild operating pressure and temperature conditions**
- **Up to 90% of palm carotene in single batch; > 15000 ppm of carotene after multi-stage processing**
- **Phytochemical-rich product in either solid or liquid form**

Market Applications

Food, supplement, feed, cosmetics, pharmaceutical, and edible oil Industries


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