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Oxidative Stability of Safflower oil by Comparing Natural and Synthetic antioxidants

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Abstract : This study showed the oxidative stability of safflower oil at elevated temperature with and without addition of natural and synthetic antioxidants. Safflower oil contains unsaturated fatty acids, which are prone to oxidation. Rancimat analysis at 120⁰ C and Oven test at 60⁰ C was used for analyzing oxidative stability of safflower oil. The oxidative stability of safflower oil with added natural antioxidants is compared with synthetic antioxidants added safflower oil. It has been observed that natural antioxidants at higher concentration showed same results to that of synthetic antioxidants.

Keywords : Oxidative stability, antioxidants, rancimat, safflower oil.

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