

Recent Developments in Phospholipase C Enzymatic Degumming

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The use of enzymes for degumming of vegetable oils is now an established process option for many oilseed processing plants. The benefits of an enzyme-based process compared to traditional process have been well documented. Higher oil yields are the economic driver for adopting enzymatic degumming. Validation by major oilseed processors that the enzyme-treated oil exceeds standard quality specifications reduces the perception of risk. The ability for an enzyme to create oil suitable for physical refining provides a strategic incentive, particularly when applied in the production of biodiesel. Nevertheless, the enzyme-based solutions are not yet considered as standard by the industry and there remains room for further process optimization to capture the fullest potential value..