

NSF COMMENTS ~ CHEMICAL PROCESS

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Comment:

The reaction temperature listed in the reaction conditions section should be increased to 250°C maximum. Typically in the industry, noncatalyzed esterifications of glycerin and fatty acids for food and cosmetic use are run at that temperature in order to reduce the AV (Acid Value) to less than 0.1. They are also more typically run under vacuum, not pressure, as is stated in the same section.

Proposal:

The reaction temperature should be 250°C maximum and the pressure can be a vacuum of less than 1 mm Hg up to 60 psig.

ACCEPT

Chemical Processes