

Title (en)
A PROCESS FOR REDUCING GLYCIDYL ESTERS IN MONOGLYCERIDES COMPRISING MONOUNSATURATED MONOGLYCERIDES

Title (de)
VERFAHREN ZUR REDUKTION VON GLYCIDYLESTERN IN MONOGLYCERIDEN MIT MONOUNGESÄTTIGTEN MONOGLYCERIDEN

Title (fr)
PROCÉDÉ DE RÉDUCTION D'ESTERS GLYCIDYLIQUES DANS DES MONOGLYCÉRIDES COMPRENANT DES MONOGLYCÉRIDES MONOINSATURÉS

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Abstract (en)
The present invention relates to a process for reducing the level of glycidol and/or glycidyl esters in a preparation of monoglycerides wherein said monoglycerides are prepared by transesterification between glycerol and triglycerides, said triglycerides comprising 10-100% mono-unsaturated aliphatic fatty acid esters, 0-15% poly-unsaturated aliphatic fatty acid esters and 0-90% saturated aliphatic fatty acid esters or by direct esterification between glycerol and fatty acids, said fatty acids comprising 10-100% mono-unsaturated aliphatic fatty acids, 0-15% poly-unsaturated aliphatic fatty acids and 0-90% saturated aliphatic fatty acids. The process comprises at least one holding step in which said preparation of monoglycerides and diglycerides is maintained at a temperature in the range of 140-210 °C for a period of time (the holding time) in the range of 10-90 minutes in a separate temperature controlled unit followed by a distillation step.

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Citation (applicant)
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