

DEVELOPMENT OF STABLE PRALINES FOR THE TROPICS USING MANGO FATS

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Introduction

In this study, the impact of the incorporation of mango fats from different origins (Vietnam VMF *versus* India IMF) and whether (IMFst and IMFole) or not fractionated (VMF and IMF) on the thermal resistance of and oil migration within chocolate products was investigated. Following chemical characterization (HPLC-ELSD) of the mango fats, specific blend ratios with cocoa butter (CB) were selected, applied in chocolate shells and evaluated for their stickiness (oil release at elevated temperature) and melting profile (instrumental *versus* sensorial). Next, the (oil migration) fat bloom retarding capacity of the mango fats in chocolate coatings using an accelerated fat bloom test (chocolate coating in contact with hazelnut filling rich in liquid oil and storage at elevated temperature (23°C)). Again, both instrumental (HPLC-ELSD and cryo-SEM) and sensorial analyses (trained panel for visual assessment) were performed.



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