OBTAINING OF BEE POLLEN OIL FOR NUTRITIONAL PURPOSES USING SUPERCRITICAL CO_2

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Colombia has a high production potential of bee pollen in cold thermal floor (2000-3000 meters above sea level) since at this point the average annual production is 60 kg per hive. This product is considered promising by the colombian government, it is of high nutritional content, therefore it would be very important considered its application as nutritional supplement.

In this way, extracts from bee pollen were obtained using Soxhlet extraction and supercritical fluid extraction-SFE. The yield between these were compared. Preliminarily, the supercritical extracts presented a good yield and the best organoleptic characteristics.

Keywords: Bee pollen oil, Soxhlet extraction, SFE.

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