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(57) Abstract :

The present invention discloses an improved method for the extraction, purification, and formulation of natural beeswax, ensuring high purity and eco-friendly processing. The method comprises the steps of extracting raw beeswax from honeycombs, separating residual honey and impurities through controlled mechanical or thermal processes, and subjecting the wax to precise melting (62-65°C) to retain its bioactive properties. The melted wax is purified via fine filtration and activated carbon treatment, followed by solidification into blocks, pellets, or sheets. Additional steps include emulsification with natural oils for cosmetic applications and waterproofing for industrial use. The method emphasizes sustainability by minimizing waste and enhancing beeswax's applicability in pharmaceuticals, food preservation, cosmetics, and protective coatings. This invention ensures a standardized, high-quality, and versatile beeswax product for diverse commercial and industrial applications.

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