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JASSOLVED™ Dental Toothache Pain Relief Herbal Alternative and the Application Method Thereof

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Abstract.
This invention introduces JASSOLVED™, an eco-friendly herbal alternative for dental toothache pain relief, formulated from indigenous plant bioactive oil compounds. The product is composed of a synergistic blend of Lemongrass (*Cymbopogon flexuosus*) essential oil (65%-80%), Peppermint (*Mentha x Piperita*) oil (20%-40%), and Magkono (*Xanthostemon verdugonianus*) seed oil (10%-20%). These components are processed through the Ronier Phytoionic Propulsion Technology™ extractor under a thermostatically controlled pressure of 100 Pascals to ensure optimal bioactive potency. The product is delivered via 30mL spray or 15mL dropper formats for localized application. Experimental results demonstrate that the bioactive essential oils effectively decelerate dental toothache pain relief action, a composition of bioactive compounds comprising Citral, from lemongrass, limonene from peppermint, and geraniol, which have a biomedical anti-inflammatory property, natural anti-biotic effect and achieve complete dissolution within 2 to 5 minutes upon applying in three (3) doses by drops. The study validates the efficacy of naturally-derived indigenous oils as a sustainable, rapid-acting alternative for dental toothache pain management. This innovation offers a convenient, technologically natural, plant-based advanced solution for reducing dependency on synthetic pain relief, with scalable potential for broader dental care applications. It is recommended that a parallel study be conducted to verify the validity of the foregoing study and to support the application of additional clinical trials using the same herbal methodology.

Keywords: Pain Relief, Lemongrass Oil, Bioactive Compound, Solid Waste Management, Polystyrene Decomposition