

Formulation and Evalution of Aloevera Gel and Phytochemical Screening

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Abstract: *Aloe vera gel, derived from the succulent plant Aloe vera, has been widely used for its medicinal, cosmetic, and therapeutic properties. Rich in bioactive compounds such as vitamins, minerals, amino acids, and antioxidants, it is primarily known for its skin- healing, anti- inflammatory, and moisturizing effects. Aloe vera gel is commonly used in the treatment of burns, wounds, skin irritations, and as a natural moisturizer. In addition to its dermatological benefits, Aloe vera has been explored for its potential in digestive health, immune system support, and anti-inflammatory effects when used internally. Recent studies have also shown promising results regarding its antioxidant properties and potential role in regulating blood sugar levels. However, while Aloe vera gel has been widely promoted for its health benefits, scientific validation of many of its claimed therapeutic effects is still ongoing. Further research is required to fully understand the mechanisms of action, safety, and efficacy of Aloe vera gel in various medical and cosmetics applications.*

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