Abstract

Succinic acid is an emerging ingredient in the skincare industry that is normally produced using petrochemical processes. Skin pHix aims to use a sustainable, apple pomace feedstock to supply 39,000 tonnes of bio-succinic acid to the global skin care manufacturing market. The proposed plant will be located in India and produce 99% pure bio-succinic acid crystals.



Motivation

• Bio-succinic acid is proven to help in balancing skin pH to the optimal level which is critical for skin health.



4.5-5.75 pH

- Succinic acid targets skin conditions like acne due to its antibacterial properties and microbiome support.
- Projected global market growth and multi-industrial use.





References

- 1. Skin pHix, 2024, "Production of Bio-Succinic Acid"
- 2. Skin pHix, 2024, "Bio-Succinic Acid Production Presentation"

Large Scale Bio-Succinic Acid Production

By Danielle Aggelakos, Andie Robson, Lavinia Rusanda, Makayla Sebelius and Lyrah St Denis Schulich School of Engineering, University of Calgary





Contact Information Makayla Sebelius Phone: 587-432-4005

