



BCIL Biotech Consortium India Limited

A NOVEL LIQUID WHEY BEVERAGE FROM FRUIT POMACE

TECHNOLOGY AVAILABLE FOR TRANSFER

UNMET NEED AND OPPORTUNITY

Dairy industries generate significant amounts of liquid whey as a by-product, often leading to resource loss and environmental concerns. This technology addresses this issue by transforming liquid whey into a valuable health drink enriched with prebiotic dietary fibers derived from fruit processing waste, such as kinnow juice industry residue. The technology provides a sustainable solution for utilizing agro-industrial by-products, offering nutritional and nutraceutical benefits

STAGE OF DEVELOPMENT

This technology is fully developed and tested process ready for implementation. The method involves treating fruit residues, such as kinnow pulp, with acetone or lime to remove bitterness and incorporating the resulting fiber-rich residue into liquid whey. The beverage is then sterilized, packed under aseptic conditions, and stored at room temperature. The innovative approach enhances the functionality of liquid whey, providing a refreshing and nutritious beverage.

INTELLECTUAL PROPERTY

Indian Patent Granted

UNIQUE SELLING PROPOSITION

Healthful Ingredients: This technology contains a significant amount of prebiotic dietary fiber, which has been linked to various health benefits, including improved digestion, gut health, and weight management.

Improved Flavor: The technology includes a debittering process for kinnow pulp, ensuring a pleasant taste without compromising nutritional value.

Environmental Sustainability: By utilizing fruit processing waste, This technology contributes to the reduction of environmental impact associated with agro-industrial by-products.

Versatile Application: The process can be applied to various fruit residues, such as citrus fruits, tomatoes, and bananas, providing flexibility in product development.

TECHNOLOGY

Rich in prebiotic dietary fibers
Nutritious and energy-boosting
Enhanced flavor without bitterness
Sustainable utilization of fruit processing waste

LICENSING OPPORTUNITY

BCIL is looking for suitable industrial partner for commercialization of this Technology.

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