



Whey Based Fruit Puree Incorporated Probiotic Beverage

Invention summary:

Development of whey based banana and mango fruit puree incorporated probiotic beverage.

Technology overview:

Whey is a rich protein source with comparatively high biological value. In addition, water soluble vitamins such as Riboflavine, Folic acid and Cobalamine are present in significant amounts in whey. Probiotic bacteria are essential for human gut health. *Lactobacillus acidophilus* and *Bifidobacterium animalis subsp. lactis* provide the probiotic factors which are essential to maintain a healthy gut by adhering and colonizing the gut mucosa and promoting immune effect without causing inflammations. On the other hand, Banana puree is a rich source of prebiotics which enhances the gut health by reducing stomach ulcers. Also it is a good source of antioxidants, fibre, minerals, vitamins (ascorbic acid and B₆) and all these factors support well being of the heart. Mango puree contains vitamins A, C, E, polyphenols, protein and fibre. This product provides various health benefits to the consumer as both prebiotics and probiotics are present in whey.

Potential application:

This product is suitable for anyone with health concern with no age limit.

Advantages of the beverage:

- Maintains healthy balance of gut bacteria
- Improves peristaltic movements of gut
- Reduces gastro intestinal tract related risks

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