



## Britase Bromelain

Powder enzyme for cosmetics

### Product information

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Synonyms: ananse, Peptidyl peptide hydrolase; EC 3.4.22.32 from stem of pineapple (Ananas Comosus (L.) MERR.)

Britase Bromelain is a general name for a family of sulfhydryl containing, proteolytic enzymes; cysteine protease obtained from the stem of pineapple (Ananas Comosus).

Britase Bromelain is used in cosmetics. The enzyme has a strong anti-inflammatory effect and is an efficient exfoliant that removes dead skin cells. In addition to this, bromelain as an active substance in cosmetics helps to brighten your skin and to reduce freckles and brown spots caused by exposure to sunlight. At the same time, the ingredient stimulates cell growth and ensures soft skin.

### Product specifications

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Description:	powder enzyme product
Enzyme activity:	bromelain 1800 - 2400 GDU/g
Physical/chemical:	appearance brownish powder solubility partly soluble in water, insoluble in most organic solvents
Microbiological:	total viable count 0 - 50.000 CFU/g Production strain not applicable, extracted from fruit
Storage conditions:	keep packaging intact, cool, dry, away from sunlight Shelf life 1 year 2 years in closed packing at 15°C
Manufacturing certifications:	ISO 9001:2015 ISO 22000:2018 Halal
Safety and enzyme handling:	Inhalation of enzyme dust, mists should be avoided. In case of contact with the skin or eyes, promptly rinse with water for at least 15 minutes. For detailed handling information, please refer to the appropriate

## Technical

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Optimum pH range with mixed substrate: 5 - 6  
Optimum temperature with mixed substrate: 50-65°C

## Non-GMO Declaration

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Britase Bromelain does not contain GMO products and itself is Non-GMO. Britase Bromelain is not produced by micro-organisms but extracted from fruits.

## Packaging

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The product is available in 25kg plastic bags protected by HDPE drums

Classification according to Regulation (EC) No 1272/2008

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