

Updated: 10/26/2018

Bacillus Ferment

Specification Sheet

Description: Bacillus ferment is an enzymatic exfoliant used to exfoliate the skin and is a mild but effective alternative to alpha hydroxy fruit acids and is active at a mild pH range of 5-8. Clear brown liquid, pH 6. Water-soluble.

CAS: 7732-18-5, 56-81-5, 57-55-6, 9014-01-1, 12765-62-7, 99-76-3, 590-00-1.

INCI Name: Water, glycerin, propylene glycol, bacillus ferment

Benefits:

- Natural enzymes that eliminate dead skin cells to smooth the skin's surface
- Functions as non-mechanical, but enzymatic exfoliation process
- Provides younger looking skin

Use: Add to the water phase or at the end of cosmetic formulations ideally at room temperature (but can also be added to hot solutions of up to 150° F/60° C). Recommended use level is 2% maximum. Not to be used on abraded skin. For external use only.

Storage: Store refrigerated (4-8°C / 39-46°F)

Applications: Anti-aging creams, gels and body lotions, whitening products, peels and scrubbing products, masks and non-abrasive exfoliants.

Country of Origin: France

Raw material source: *Bacillus subtilis*, glycerin made of naturally derived oils

Manufacture: Fermentation of *Bacillus subtilis* which yields a protease that has keratolytic activity.

Animal Testing: Not animal tested

GMO: GMO-free, but not certified

Vegan: Does not contain animal-derived components including dairy products, egg & honey