

DATA SHEET

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1. Identification

Product name

Protease FG

(Food Grade Subtilisin from Bacillus licheniformis)

Cat. No

PRT0021

2. Description

Subtilisin is an extracellular alkaline serine protease, it catalyzes the hydrolysis of proteins and peptide amides. Shows high specificity for aromatic and hydrophobic amino acids in the P1 substrate position.

3. Composition

Liquid enzymatic preparation containing:

- 50% glycerol (CAS no. 56-81-5)
- 41% water (CAS no. 7732-18-5)
- 9% Protease (Subtilisin) (CAS no. 9014-01-1)

4. Specifications

Component name: Protease (Subtilisin)

EC Number: 3.4.21.67

CAS Number: 9014-01-1

Source: Bacillus licheniformis

Activity: 2.4 AU-A/g

Color: Brown. Color can vary from batch to batch. *Color intensity is not an indication of enzyme activity.*

Physical form: Liquid Approximate density (g/ml): 1.17

GM STATUS: This product is not a GMO. *The enzyme product is manufactured by fermentation of a microorganism that is not present in the final product. The production organism is not modified using modern biotechnology*

5. Storage

Recommended storage: 0-10 °C (32-50 °F).

The product can be transported at ambient temperature. Following delivery, the product should be stored as recommended.

6. Compliance

The product complies with the recommended purity specifications for food-grade enzymes given by the Joint FAO/WHO Expert Committee on Food Additives (JECFA) and the Food Chemical Codex (FCC).

7. Further information

Product Use Limitation

This product is developed, designed and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

Disclaimer

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