



Aum Enzymes
India's #1 Speciality Enzyme Products

Lactoperoxzyme

Benefits

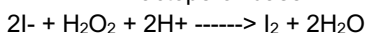
Ecofriendly and biodegradable
Antimicrobial properties
Resistant to proteolysis
Protein iodination
Specific in action
High substrate specificity
Highly pure form
Useful for various formulations

Description

Lactoperoxzyme is an enzyme extracted from premium quality bovine milk. It has been shown to be bacteriostatic against gram positive and exhibits pH dependent bacteriological action against gram negative organisms in presence of thiocyanate and hydrogen peroxide. Lactoperoxzyme is novel bovine enzyme chemically glycoprotein in nature and may exist in two iso enzyme forms. **Lactoperoxzyme is suitable for use bio preservative formulation.**

Lactoperoxidase catalyzes the hydrogen peroxide oxidation of iodide as shown below:

Lactoperoxidase



The enzyme also catalyzes the oxidation of phenols and aromatics in the presence of hydrogen peroxide. Bovine milk is usually used as a source for isolation and purification of Lactoperoxidase.

PRODUCT SPECIFICATION

Parameters	Operational range	Optimal range
Temperature	20°C to 40°C	25°C
pH	4.0 to 7.0	5.9 to 6.8
Form & appearance	Micaceous Coffee brown to light brown Powder	
Enzyme type	Lactoperoxidase	
Enzyme activity [ABTS oxidation]	>110 IU/gram [ABTS oxidation]	
Source	Bovine milk	

PAKAGING:

Enzymes products are available in **1/5/25 gram** glass tube for powder products. Product packaging in thermo safe box with low temperature maintenance. Special packaging is also available on request.

SAFETY

The product is produced under hygienic condition and is subject to stringent quality control.

Toxicology

The product is classified as non toxic.

Biodegradability

Product is Biodegradable.

STORAGE:

Enzyme products should be stored in a cool dry place. When stored below **20°C** products will maintain its declared activity for at least 24 months. The enzyme preparation should not be left in direct sunlight for extended periods.

TECHNICAL SERVICE:

Aum Enzymes technical service laboratory shall be pleased to provide more information covering specific applications for all products or discuss any practical problem which may occur in the industry.

Technical datasheet given with each product are only given as usage guidelines, but tests should be carried out under local conditions to fix the optimum dosage for the application type and conditions.

AUM ENZYMES

30, Bhakti Nagar, Nr. Jalaram Mandir, BORSAD-388 540.

Dist. Anand. (Gujarat) India.

Mobile: +91-9898383455

E-mail: info@aumenzymes.com, aumenzymes@gmail.com.

Website: www.aumenzymes.com