SHANGHAI VANA BIOTECH CO., LTD.
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Add:203 Room,2 Build, No. 1588 of Huhang Road , Shanghai City, China.

TECHNICAL DATA SHEET

SILIT-ENZ-80W

Decomposes hydrogen peroxide

Description

SILIT-ENZ-80W is a kind of industrial enzyme, which is extracted from deep fermentation of genetically modified Aspergillus niger with high-end equipment. It is mainly used for the biological purification of cotton fabric after oxygen bleaching, can effectively solve the problem of "dyeing flowers" caused by the influence of residual hydrogen peroxide staining. The enzyme can quickly decompose hydrogen peroxide into water and oxygen, and it is highly specialized and has no effect on fabrics and dyes.

Performances

- An effective and durable product for the removal of residual hydrogen peroxide. Its water consumption and energy consumption are far less than the traditional methods of using reducing agent or rinsing with water.
- The bleaching can be removed reliably under various conditions of temperature, pH value and hydrogen peroxide content.
- It can consistently remove proxide, achieve highly consistent inter batch dyeing reproducibility, and effectively remove hydrogen peroxide up to 1000 ppm.
- Compared with the method of reducing agent and water rinsing, the energy and water consumption of Catalase are significantly reduced, which can save up to 20000 liters of water per ton of fabric.
- ECO-friendly protection, after treatment, it decomposes into natural water and oxygen

Physical and chemical characteristics

Appearance	Proportion
Brown liquid / dark green liquid	1.0-1.1g/ml

Reference process

Textile	100% cotton fabric and its blended fabric
Equipment	Any device that uses hydrogen peroxide
PH value	4-11

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Temperature	<70℃. The optimum temperature is 40-50℃
Bath ratio	1:4 –1:40
Dosage	0.1-0.5 g/L
Duration	For 5 To 20 minutes

Notes

A. After treatment with Catalase, it is suggested that the subsequent dyeing or other processes should be carried out after drainage.

B. After treatment with Catalase for 10-20 minutes, MDRCK hydrogen peroxide test paper should be used to detect the residual oxygen concentration before drainage.

Package and storage

30kg /plastic drum.

Under 25 ℃, it should be kept in a cool and dry place without direct sunlight. The validity period is 6 months under sealed condition.