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Associazione Tessile e Salute
Azienda associata

ENZIGAMMA AO

Enzigamma AO is a stabilized liquid catalase. produced by submerged fermentation of a non-pathogen bacteria. It removes water peroxide converting it into oxygen and water
Enzigamma AO is applied after bleaching, before dyeing, to eliminate residual of water peroxide. That's fundamental, for example, when reactive dyes are employed.

Using **Enzigamma AO** shows following advantages:

Low water consumption

Fast procedure (10-20 minutes application)

Safe dyeing, because you removed a potential danger for dyes

Ecological process: water peroxide is converted into natural components: oxygen and water.

No Nitro or sulphate salts formation.

- 1) classical procedure = bleaching –double washing-dyeing.
- 2) chemical procedure = bleaching- washing -reduction-washing-dyeing.
- 3) enzyme procedure= bleaching-(washing)-**Enzigamma AO** - dyeing.

How to employ **Enzigamma AO**:

pH of the process should be kept between 5,5-10,5

Temperature : 55°C maximum

Water peroxide content on the fiber shouldn't be over 1000 ppm.

Compatibility: **Enzigamma AO** can be used with most of surfactants and water peroxide stabilizer

Application= for all the machines: yarn, jets, over-flow, reel machine, , jigger:

At the end of bleaching, release dyebath;

New cold bath; verify pH (must be between 5,5-10,5)

In the case you would like to treat with **Enzigamma AO** and dye immediatly pH value should be between 6 and 8 (by adding acetic acid)

Bath temperature must be between 20 and 55°C.

Add 0,5-1 g/l **EnzigammaAO**.

Verify water peroxide removal after 10-15 minutes treatment..(Peroxide Test Strips).

Now there are two possibilities:

- 1) starting dyeing without changing bath;
- 2) release the bath and, in a new bath, starting to dye .

Best storage condition: at 25°C, maximum 3 months in closed drums.

The information contained in this circular are given according to our best knowledge and experience, however, given the multiplicity of systems of work and applications can't assume guarantees for the individual case. For information: e-mail info@gammacolorsrl.com