



ROCOZYME MC 500

Enzyme for Textile Industry

Characteristic : Cellulose Enzyme.

Appearance : Brown liquid (Color does not reflect activity).

Properties :

☐ **ROCOZYME MC 500** is a liquid cellulose enzyme that can effectively be used for bio polishing of cellulosic fibers. **ROCOZYME MC 500** is an acid cellulose that performs best at a pH of 4.5 – 5.5 and a temp. of 45 - 55°C. **ROCOZYME MC 500** is designed for use in bio finishing of all cellulosic fabrics including, but not limited to cotton, rayon, linen, flax, ramie and Tinsel

☐ **ROCOZYME MC 500** can be utilized to accomplish the following:

- Reduce the fuzz and pilling, soften smooth the hand, and increase the gloss / luster and yield a fuller, deeper color.
- Significantly softens cotton fabrics.
- Reduce the tendency of pilling formation.

☐ **ROCOZYME MC 500** is best applied on desized fabric. **ROCOZYME MC 500** can be applied in one step. Time is saved and ROCOZYME MC 500 efficiency is also increased.

Solubility : Soluble in water.

pH(25 °C) : 4.5 – 5.5

Liquor Ratio : 1:4- 1:5

Expected time limit : 30 – 45 minutes





Application : Bio finishing process normally is controlled directly by controlling weight loss of fabric. A weight loss inevitably will mean same fabric strength loss as well. A weight loss of 3 - 5 percent usually reflects a proper bio finishing effect without excessive loss of fabric strength.

☐ During bio finishing, -Weight loss-Fabric strength loss, look, triangle should be monitored at the same time.

- **ROCOZYME MC 500** will function from 45 °C to 55°C.

☐ The liquor ratio should allow free movement of the goods, but should be low enough to create the mechanical action desired for bio finishing effect .

☐ Anionic surfactants deactivate **ROCOZYME MC 500** We recommend linear alcohol ethylated, like detergent.

☐ **ROCOZYME MC 500** will function from pH of 4.5 to 5.5. We recommend an operating pH range of 4.5 – 5.5 with optimum pH 4.9 acetic acid is recommended for pH control

☐ **ROCOZYME MC 500** may be applied between 45 - 55°C.

☐ After reaching desired weight loss, bio finishing is terminated either.
- by raising temp. to 55°C, keep 10 min or,

☐ **ROCOZYME MC 500** dosage amount is between

ROCOZYME MC 500 is : 0.15 - 0.20 %

depending upon cotton quality, yarn count, construction and desired luster. Sometimes, bio finishing is applied in two different steps.

Storage : 6 months.

