

SB – R06

Description

SB – R06 is a liquid hydrolytic enzyme for application to refining paper of virgin and recycle fiber. The enzyme will selectively fibrillate fibers that facilitate subsequent improvement in physical factors, such as freeness and better dewatering ability without any loss in the mechanical strength of the paper.

SB – R06 effectively modifies fiber properties by internal swelling on fiber cell-wall in better potentials for energy saving in the refining process.

Performance Features:

- Reduce refining energy requirements by as much as 15 – 30% and may allow by passing of one or some of the refiners, depending on the process.
- Enhances paper strength and paper formation by increasing inter-fiber bonding through fibrillation.
- Improve drainage rates allowing for reduced steam consumption and increases paper machine speed.

Properties

Appearance : light brown liquid
Density : 1.0150 – 1.0550 g/ml
pH Enzyme : 3.5 – 6.5

Recommended Dosage and Reaction Parameter

SB – R06 is added at dose rate 0.08 to 0.40 kg per ton pulp. This is active over a wide temperature range 40 – 80°C and pH 6.0 to 8.0 with optimum of temperature 60 – 70°C and pH 7.0 to 8.0.

Packing and Storage

Outer packing is 30 kg in plastic jerry can or 200 kg in plastic drum. Enzyme loses gradually activity over time depending on storage temperature. Cool and dry conditions are recommended.

Lifetime: 6 month at 32°C Cooler condition are better

Extended storage, including direct exposure of sunlight, may lead to a higher dosage requirement.

Shipping and storage: protect from contact with sunlight and rain.