custom enzymes

## CUSTOM E – Moringa

**Enzyme formulation for oil extraction**

## The Enzymes based Formulation for Moringa Oil

CUSTOM E - MORINGA is a blend of selected enzymes that breaks down the cell wall polysaccharides in the oil extraction process.

Benefits of CUSTOM E - MORINGA:

- Maximises oil recovery
- The separation of selected components without changing their properties
- No effect on final product
- Extract oil and proteins simultaneously
- Eliminates the degumming process on extracted oil

**Method of application:**

• CUSTOM E MORINGA should be added to aqueous enzymatic extraction (AEE) a process using both water and enzymes to degrade the cell wall network of the oil-bearing material, thereby allowing for the transfer of intercellular contents.

**Dosage:**

- 1.5 – 2.5% of total solids

**Enzyme Properties:**

- pH Range with mixed substrate: 4.5 - 5.5
- Temperature Range with mixed substrate: 40℃ - 50℃

**Packaging:**

CUSTOM E MORINGA is available in 25 Kg and 50 Kg HDPE Drums. The packing can also be customized as per the requirements.

**Storage:**

Storage and shelf life: Store the product in a cool, dry, and shaded place and avoid keeping it in direct sunlight. The shelf life of CUSTOM E - MORINGA under recommended storage conditions is for the period of 1 year. Enzyme dust may cause irritation when inhaled. Unnecessary contact with the product should be avoided.

Under these conditions, activity loss after one year should not be more than 5 – 10%. Extended storage under adverse conditions, including high temperature may require the use of higher than recommended dosages.

**Handling:**
Liquid Enzyme preparations are dust free. However, inappropriate handling may cause the formation of aerosols or dust. Avoid formation of aerosols and dust from dried out or spilled enzyme.
Avoid splashing and high-pressure washing. Aerosols and dust may cause irritation when inhaled. Unnecessary contact with the product and inhalation of dust should be avoided. In case of spillage or contact with the skin or eyes, rinse affected area promptly with plenty of water.