



custom enzymes

CUSTOM E - EXTRACT

Multiple enzyme formulation for oil extraction

Enzymes based formulation for bio-gel polymer hydrolysis

CUSTOM E - EXTRACT is a new concept in enzymatic formulations for the purpose of oil extraction when using biopolymers. Enhanced oil recovery technology uses polysaccharide biopolymers to enhance the petroleum recovery during well drilling. Biopolymer is one such material which plays an important role in the application of Enhanced Oil Recovery Technology. These biopolymers increase the viscosity of fluid containing water so that the fluid is more difficult to flow than the oil, as a result it leads to increased oil production.

BENEFITS USING CUSTOM E - EXTRACT:

1. Effective process to degrade biogel/biopolymer
2. Environment friendly and replaces the use of harsh chemicals
3. The product can be designed against specific substrates such as Cellulose (CMC), Xanthan Gum, Starch etc
4. Efficiently handles huge amounts of Biogel/Biopolymer by degrading this highly viscous material

SPECIFICATION:

Form: Off white to light brown colored powder

Miscibility: Forms solution in water

Working pH range: 4 – 8

Working temperature range: 30 - 60 OC

DOSAGE:

0.8 - 1 Kg per ton of gel, to be optimized based on requirements

PACKAGING:

CUSTOM E - EXTRACT is available in standard 25 kg HDPE drum and can be also custom packed upon request.

STORAGE/HANDLING:

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