

Ross Grain HTL - Distilling



DESCRIPTION

It is a heat stable bacterial alpha amylase which hydrolyses randomly the alpha 1,4-glycosidic linkages of amylose and amylopectin units of starch at temperature as high as 95°C

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Brown coloured liquid. Specific
Gravity	1.12 - 1.15
Operating Temp	90 - 95°C
Operating pH range	5.5 - 6.5
Solubility	Miscible in water.

OPERATING CONDITIONS

Ross Grain HTL[®] is used to starch liquefaction and to produce dextrans as an intermediary step in manufacturing of alcohol and limit dextrans. The starch is generally liquefied in a jet cooker before saccharification. Addition of **Ross Grain HTL[®]** before jet cooking also helps in reducing the viscosity of starch slurry thus reducing the chance of holding coil getting choked.

Dosage recommended is 0.6 kgs to 1.0 kg per ton of starch. (dry weight basis) The dosage rate needs to be optimized depending on the process equipments used, dry solids concentration, starch quality etc.

REGULATORY COMPLIANCE

Ross Grain HTL[®] complies with FAO/WHO and FCC III recommended specification for food grade enzymes and also has been classified as GRAS by FDA. AETL's manufacturing facilities are also ISO 9001- 2000 accredited and WHO cGMP certified.

STORAGE

Ross Grain HTL[®] should be stored in cool and dry place. It will retain its maximum activity for minimum three months when stored below 25°C and upto one year when stored below 4°C. Care has to be taken to avoid exposure of open package to humid atmosphere for long period of time.

PACKAGING

Ross Grain HTL[®] is available in 30kg jerry cans.

TECHNICAL SERVICES

Rossari Biotech Ltd., with its technical expertise is always ready to help its valued customers who wish to use **Ross Grain HTL[®]**



The information and data contained herein has been compiled based on information we believe reliable. Users should thoroughly test all applications and independently conclude satisfactory performance before commercializations, as these recommendations are non-binding. Users assume all liabilities for use of the Products. We are not liable for any advice which we may have failed to give.

ROSSARI BIOTECH LIMITED

(An ISO 9001 : 2008 & 14001 : 2004 Certified Company)

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