

RossCane DX - Dextranase for Sugar Industry



RossCane OX is used to hydrolyse dextran polysaccharide in sugar manufacture. Oextrans arise formed by bacterial (mainly leuconostoc mesenteroids) deterioration of sugarcane juice. The formation of high molecular weight dextrans detrimentally affects the crystallisation of calcium carbonate during the clarification process. The increased viscosity observed at high dextran concentration also lead to problems with sugar crystallisation. Every unit of Oextran consumes about four units of sucrose and hence it considerably affects the yield.

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	: Brown coloured liquid.
Solubility	: soluble in water
Operating pH	: 5-5.5 for raw juice; (6.5-7.5 for higher brix)
Operating temperature	: 50 -65°C (upto 85°C for higher brix)

DOSAGE:

Recommended dosage is 30-50 gms per ton of cane. This needs to be optimised depending on substrate and processing conditions.

BENEFITS :

- Reduces viscosity; increased filtration.
- Increases sugar yield
- Boiling pans do not go off the boil.
- No elongation of crystals from normal.
- No difficulty is experienced in centrifuging massachusetts.



PACKAGING :

RossCane OX is available in 30 kgs packing in standard HOPE drums.

STORAGE :

RossCane OX should be stored in cool and dry place. However it is recommended to store at 0-4° C and low RH for extended shelf life.

TECHNICAL SERVICES :

Rossari Biotech Ltd with its full technical back up is always ready to help its valued customers who wish to use **RossCane OX**.

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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