

MELZER

CARBATREAT S1700 ✓

### CARBAMATE BIOCIDES FOR SUGAR MILLS

Carbatreat S 1700 inhibits enzyme invertase and is a broad-spectrum microbiocide against bacteria like *Leuconostoc* and fungi, which cause sucrose losses, formation of troublesome slime and bad odour during the manufacture of cane sugar.

Sugar cane contains an enzyme invertase, which is released and activated when cane is crushed and is one of the major factors responsible for sucrose losses. Sugarcane juice is a perfect medium for the growth of many bacteria and fungi. These micro-organisms proliferate in the crushers, piping and weigh tanks, through which the juice passes and become another major source of sucrose loss.

#### Features

- Good bacterial control agent
- Acts against enzymes released by microorganisms.
- Prevents sugar loss caused by enzyme invertase.
- Prevents bacterial and fungal inversion of sugar.
- Reduces invert sugars in mixed juice and clarified juice.
- Destroys bacteria and fungi
- Controls slime and odor.
- Reduces corrosion of grinding equipment.
- Improves clarification and pan boiling.

#### Technical Data

Appearance.....	Clear pale yellow to Orange coloured liquid.
Odour.....	Characteristic
Specific gravity @ 25± 2 °C.....	1.020 – 1.180
pH (100ppm in DW).....	8 - 10
Solubility in water.....	Soluble.

#### Uses

Carbatreat S 1700 is highly effective against enzyme invertase, troublesome bacteria like *Leuconostoc mesentroides*, *aerobacter* and fungi like *Saccharomyces*; the presence of which is almost unavoidable in sugar mills system. Inversion losses are hence reduced by the use of Carbatreat S 1700 leading to increase in sugar recovery. It is to be added to the cane juice, at a point/points where it leads to easy mixing and quick circulation to all parts of grinding equipments, troughs, screens and pipes with which the juice remains in contact. Temperature



