



### The CR. concept for process optimisation

The analysis-based liquid micronutrients mixtures bring your fermenter to full-load operation.

**CR.TEplex** (liquid)

In combination with  
BC.ATOX liquid or  
BC.MACROcon

Fermenter with a high need of macro-nutrients require additional treatment. This addition cannot be done within the CR.TEplex products. A tailor-made mixture of the product line BC.ATOX or BC.MACROcon is used for this additional compensation. The range of components includes the elements Ca, Fe, N, Na, Mg, S, P. BC.MACROcon is always a mixture of at least two of the components listed,

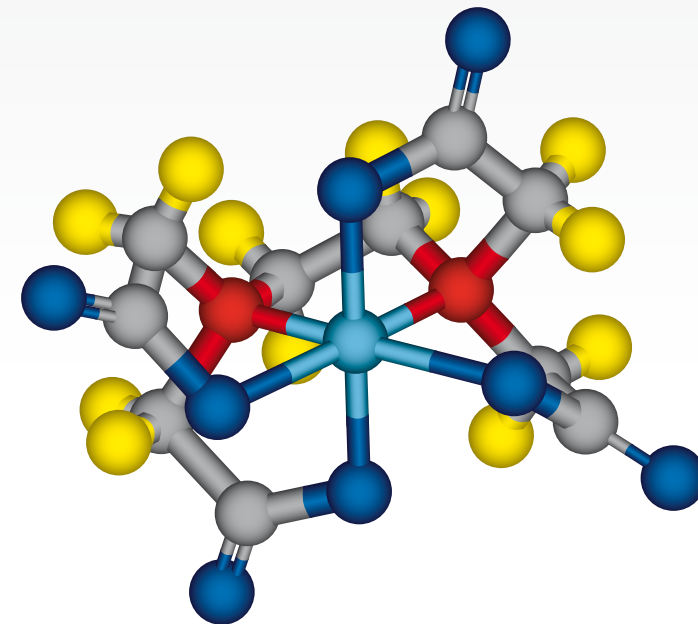
which can be supplemented by other components if needed. BC.MAKROcon can also be added as the only additive for fermentation of waste and wastewater. The dosage is calculated individually for each plant. The product line is delivered in fermentable sacks.

### The result → your profit

- Stable fermenter performance at highest level
- More full-load hours per year
- Higher business profit

# CR.TEplex

The liquid micronutrients of the CR. concept



170126\_GB



## The CR.TEplex product line

Microorganisms require a good supply of essential trace elements for a stable and efficient utilization of food waste and other organic wastes. Products of the CR.TEplex line contain all the important trace elements and are tailor-made according to the individual need of each single plant. The liquid formulation of the product allows automatic dosage, without danger of corrosion for the AD plant. The trace elements are protected

as complexes. This allows a low dosage, which is a requirement to supply big fermenter volumes. The design and production of the CR.TEplex line are based on an European patent. Our new and innovative production process is the precursor for all liquid mixtures of micronutrients.

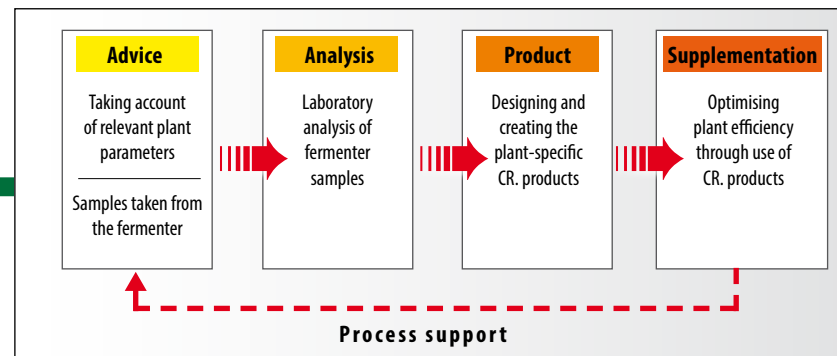
## Tailor-made CR.TEplex mixtures for ...

### ... different plant systems

- Industrial biogas plants
- AD plants for waste treatment
- Anaerobic industrial wastewater treatment plants
- Automated plant systems
- Plant systems with percolate

### ... and all kind of co-substrates

- Food waste and other waste
- Waste of food production
- Waste from ethanol production
- Waste from starch extraction
- Slaughter waste and from fat separation



## The CR.TEplex product line

High quality raw materials and accurate processing guarantee best products to assist the biology of the fermenter at the highest level. The composition of the blends is calculated according to requirement standards and iCAP-spectrometry analyses. Then they are produced separately for each single plant. CR.TEplex products are matched individually to the biological situation in the fermenter and optimise the process of methane formation. In plants with high nitrogen or sulphur concentrations, it is recommended to add the product BC.ATOX liquid.

### Benefits of the CR.TEplex product line:

- Safe and easy to handle
- Not caustic, not corrosive, frost-proof
- Protection of the trace elements against chemical precipitation
- Small amounts required because of highest bio-availability

## Effect of the CR.TEplex products

- Stabilisation of the microbial conversion processes
- Activation of the methanogenic microorganisms in the fermenter
- Maximisation of methane yields
- Synchronisation of the single phases of the biogas production
- Prolonged increase of fermenter performance

