

# POWDER TE

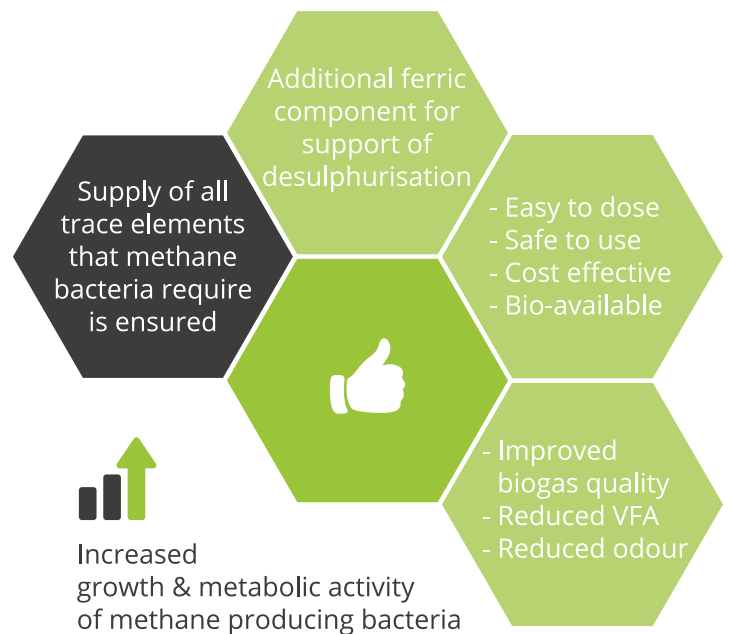
## POWDERED TRACE ELEMENTS FROM CELTIC CHEMICALS



The latest edition to Celtic's suite of products for Biogas optimisation is the Powder TE - Trace Element mix. Using the same trace elements that are found in our liquid range, the Powder TE range contains a balanced mix of essential nutrients (Co, Se, Ni, Mo) blended into a base of Ferric Hydroxide.

Available on 500-kg pallets containing 50 x 10-kg double walled paper sacks that are easily fermentable, the bags can be dosed on a daily basis with your feedstock. The advantages of correct micro nutrient dosing are well publicized, the Powder TE blend from Celtic gives the biogas operator another option for dosing micronutrients.

Currently we have a standard mixture of elements in the following ratio – Nickel 2: Cobalt 1.5: Molybdenum 2: Selenium 1. Custom mixtures can be accommodated depending on quantities, speak to Alistair Marsh our Technical Sales Representative for further details.



## TRACE ELEMENTS IN GENERAL

- ❧ Methanogenic bacteria have a requirement for trace elements. Ni and Co are a vital component in their metabolic processes, and correct dosing leads to major improvements in both quantity and quality of biogas.
- ❧ Improved trace element dosing leads to better feed conversion by the bacteria. This means less feedstock is required to produce the same amount of biogas making the process more cost effective.
- ❧ Trace elements make the bacteria more stress resistant to harmful compounds like H<sub>2</sub>S and ammonia, and better able to withstand changes in pH and temperature.
- ❧ Correct trace element dosing can also help control foaming as foam producing compounds such as starch are more rapidly digested.



[www.celticchemicals.co.uk](http://www.celticchemicals.co.uk)

📍 Celtic Chemicals Ltd, Unit 25, Kenfig Industrial Estate, Margam, Port Talbot, SA13 2PE, UK.

✉ [sales@celticchemicals.co.uk](mailto:sales@celticchemicals.co.uk)

☎ +44 (0) 1656 749 358

📠 +44 (0) 1656 746 490