



## MACCO ORGANIQUES INC.

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THE MANUFACTURING PROCESS OF THE PRODUCTS BELOW ARE COVERED BY A REGISTERED ISO-9001 QUALITY SYSTEM AND A FSSC-22000 FOOD SAFETY SYSTEM

Date: February 06<sup>th</sup>, 2015

Supersedes: September 18, 2012

Official Statement

Ref # : **Micro E-1**

## **Microbiological / Official Statement**

Macco's products, including *Calcium Acetate*, *Calcium Propionate*, *Potassium Acetate*, *Potassium Benzoate*, *Sodium Acetate*, *Sodium Benzoate*, *Sodium Diacetate* and *Sodium Propionate*, manufactured at its Valleyfield facility, are antimicrobial agents produced by chemical syntheses in a sanitary ISO/GMP/HACCP environment. The chemical syntheses are performed from raw materials which possess extreme corrosiveness and pH characteristics to provide sterility of the manufacturing system: the raw materials are strong bases and concentrated acids (100%). The only solvent used, potable water from the City of Valleyfield, is chlorine treated. In addition to the chemical asepsis, thermal asepsis is added: the chemical reaction and the drying of the products are performed in closed circuits at elevated temperatures.

Macco's facility is dedicated to the manufacturing of salts with antimicrobial characteristics. The antimicrobial nature of its products, the sanitation program, the extreme pH and the elevated temperatures conditions prevailing during manufacturing, are the basis of the aseptic characteristics of Macco's products which conform to FCC and USP requirements.

Macco's manufacturing facility is a FDA bioterrorism, FSMA and C-TPAT registered facility that operates under an ISO 9001 Quality System, an FSSC 22000 ISO Food Safety System (GFSI approved) and in compliance with food GMP. Macco's facility is audited yearly.

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