3rd INTERNATIONAL WORKSHOP
ADVANCES IN CLEANER PRODUCTION

''CLEANER PRODUCTION INITIATIVES AND CHALLENGES FOR A SUSTAINABLE WORLD''

Study of Stability of $C_{19}H_{23}N_3$ (AMITRAZ) through Analysis FT-IR Spectroscopy

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Abstract

The work aims to study the stability of C19H23N23 in veterinary products through the technique of analysis by infrared spectroscopy and Fourier Transform with Transmission and Reflection (FT-IR).The potential and limitations of this method were investigated by analyzing the spectroscopic changes occurring inside and on the surface of the material. This work will present the sensitivity levels of the active principle as well as the small structural changes that may occur in the material.

Keywords: *ftir, amitraz, spectroscopy*