

MICROBIOLOGICAL ASSOCIATES INC.

FARMINGTON HILLS RESEARCH CENTER 3742 HILLS TECH DRIVE,
FARMINGTON HILLS, MICHIGAN

CLIENT: SPAGIENE
7913 CHARDON RD.
KIRTLAND, OHIO 44094

REPORT No. 008-956

CHALLENGE TEST: BACTERICIDAL EFFECTIVENESS OF SPAKLEEN POD ALL
PLATES INCUBATED AT 35 TO 37 DEGREES CENTIGRADE FOR 48 HOURS

STUDY REPORTED ON: JUNE 28, 2010
USE DILUTION PREPARATION: 0.28 GRANULE OUNCES TO 50 US
GALLONS:

INITIAL BACTERIAL SUSPENSION AFTER 5 MINUTE CONTACT % KILL

04-3780 PSEUDOMONAS AEUGINOSA
ATCC 27315
1,200,000 ORGANISMS/ML. 51,232 ORGANISMS/ML. 98.7

04-3781 ESCHERICHIA COLI
ATCC 35421
1,250,000 ORGANISMS/ ML. 5,395 ORGANISMS/ ML 99.5

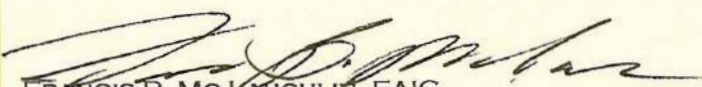
04-3782 STAPHYLOCOCCI AUREUS
ATCC 49476
1,000,000 ORGANISMS/ML. 22 ORGANISMS/ ML. 99.9

Michigan State Certification Number for Microbiological Laboratories: 9928

HISTORY OF CREDENTIALS:

NATIONAL SANITATION FOUNDATION
STATE OF NEW YORK
MICHIGAN CHEMICAL COUNCIL
DIPLOMAT AMERICAN BOARD BIOANALYSIS
ASSOCIATION AOAC
AMERICAN COUNCIL LABORATORIES

FELLOW AMERICAN INSTITUTE CHEMISTS
AMERICAN SOCIETY FOR MICROBIOLOGY
AMERICAN ASSOC. ADVANCEMENT SCIENCE
UNITED STATES DEPT. AGRICULTURE
MICHIGAN BOARD OF PHARMACY
RESEARCH FACILITY: USDA


FRANCIS B. MC LAUGHLIN, FAIC
DIRECTOR OF LABORATORIES