



Microbiological Solutions LLC

**Most Common Test Methods
and Proficiency at Siva
Microbiological Solutions LLC***

ASTM D 5588

ASTM D 2574

ASTM D 5590

ASTM D 5589

ASTM D 3273

ASTM G21

ASTM E 2081

ASTM C1338

ASTM D2020

JIS L 1902

JIS Z 2801

USP <51>

USP <61>

AATCC 100

AATCC 174 [Part I, II, III]

AATCC 30

AATCC 147

AOAC [955]

*We are experienced and able to
perform any customized testing methods
you may request



Siva Microbiological Solutions LLC - **SivaMS**
is located in Pennsylvania's designated
Keystone Innovation Zone, supporting
Life Sciences, Alternative Energy,
and Advanced Manufacturing companies
at the Bridge Business Center in
Bucks County (Northeast Philadelphia)

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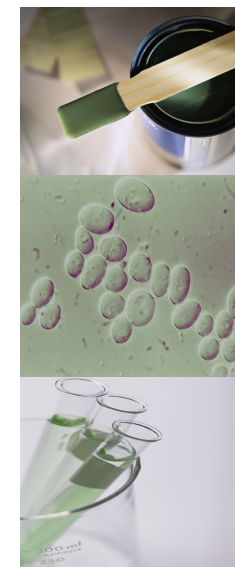


Microbiological Solutions LLC

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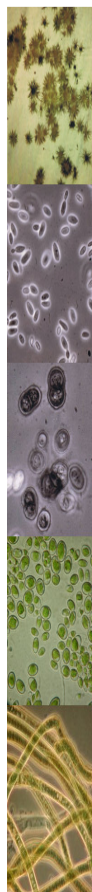


Mission: Siva Microbiological Solutions'
goal is to provide dedicated one-stop
microbiological laboratory testing service
for the industrial, environmental,
pharmaceutical, consumer products,
coatings, and building products markets.

Siva Microbiological Solutions

supports studies involving sterility, microbial identity and susceptibility, biodeterioration and biodegradation of products and surfaces, and serves the following industries:

- * Pharmaceutical Industry
- * Consumer Products Industry
- * Industrial Microbiology
- * Coatings and Building Products
- * Specialty Chemical Industry



Our highly qualified and experienced microbiologists and scientists can customize, plan and design methods per your application needs, particularly for antimicrobial testing of products and surfaces. We are proficient in most industry test methods such as USP, ASTM, AATCC, AOAC, JIS, etc.

Testing proficiencies include:

- * Microbial Sterility
- * Microbial Limits
- * Bioburden Studies
- * Environmental Monitoring
- * Preservative Efficacy Tests
- * Antimicrobial Testing
- * Fungal Resistance Testing
- * Algal Resistance Testing
- * Microbial Identifications [bacteria, fungi and algae]

Facility and Equipment



The state-of-the-art facility at **SivaMS** is equipped with a Bio-safety hood, stereo microscope, phase contrast microscope, autoclaves, incubators, environmental chambers, plant growth chamber, and has access to shared common equipment including ultracentrifuges, refrigerated centrifuges, scintillation counters, (-)80 degree freezers, stability chambers, etc.

SivaMS-NCS Pharmaceutical Team

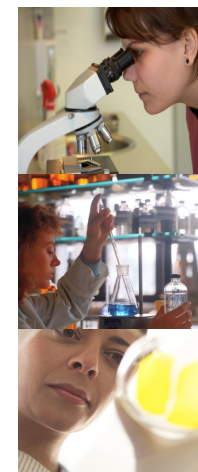
Siva Microbiological Solutions has teamed up with NCS Pharmaceuticals, a Contract Research Organization with expertise in analytical techniques. Together we bring the knowledge and expertise of microbiology, coatings, colorants and analytical capabilities to serve varied markets.



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SivaMS provides:

- * Independent research testing
- * Development of customized assays
- * Expert consulting
- * Expert witness services
- * Authored articles
- * Training on proper plant housekeeping
- * Training on proper hygiene
- * On-site audits

We also offer EPA, CDPR, and FDA registration support.