SHRUTIKA VARGANT

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EDUCATION:

2013-2015 Mumbai University (Ramnarain Ruia College), MSc Microbiology
2010-2013 Mumbai University (Kishinchand Chellaram College), BSc Microbiology

Highly skilled and detail-oriented Microbiologist with 6 years of experience in conducting comprehensive microbiological testing and analysis. Proficient in a wide range of microbiological techniques, including aseptic handling, microbial identification, environmental monitoring, and sterility testing. Demonstrated expertise in ensuring compliance with regulatory guidelines and industry standards.

WORK EXPERIENCE:

2015-2016: Quality control Microbiologist at Pastonji Ice-creams

2016-2021: As Microbiologist at Bhavan's Research Center (Andheri)

An ISO/IEC 17025 (NABL) accredited Microbiology laboratory specializing in time-kill and antimicrobial studies for home and personal care products and evaluation of water purification systems.

SKILLS:

- Familiarity with regulatory guidelines, such as ASTM, EN, and ISO standards.
- Perform microbiological analysis on raw materials, in-process samples, and finished products to ensure compliance with industry regulations and company standards
- Conduct environmental monitoring, water testing, and air sampling to maintain optimal conditions and prevent contamination
- Collaborate with cross-functional teams to investigate out-of-specification results and implement corrective and preventive actions (CAPAs)
- Participate in internal and external audits to ensure adherence to cGLP, regulatory requirements.
- Collaborated with R&D teams to validate new microbial testing methods and technologies, streamlining the testing process while maintaining accuracy and reliability
- Excellent in teamwork and communications, working collaboratively with colleagues, and with other departments
- Prepared and reviewed standard operating procedures (SOPs) to ensure alignment with cGML and industry guidelines
- Contributed to the continuous improvement of the quality management system (QMS), implementing corrective and preventive actions as needed
- Conducted microbial culturing, isolation, and identification of microorganisms using biochemical and molecular techniques
- Skilled in usage/maintenance/validation of laboratory instruments
- Strong analytical and problem-solving abilities, with attention to detail
- Proficiency in LIMS
- Proficiency in MS Office

JOB-SPECIFIC COMPETENCIES:

- Responsible for the execution, documentation, reporting, and assisting in planning and sample disposal of the following tests (In adherence to EN, ASTM, ISO, and BIS standards)
- Testing antimicrobial samples as per EN 1276, EN1040, EN 13697and customer-specified protocols
- Determination of MIC by tube assay method, Disc diffusion susceptibility test, agar dilution method, and zone of inhibition by agar cup method
- Testing, standardization, and execution of Contact Kill test assays as per ASTM2783
- Assisting in carrying out Clinical studies in the laboratory
- Bioburden testing, Preservative Efficacy testing of personal care, home care, and food samples as per standard methods, customer-specified protocols, performing Growth Promotion Tests, IQC (Internal Quality Control) of cultures, and water testing (water purification units)
- <u>Environmental monitoring</u>, Air sedimentation, Mold spore preparation, fungal and bacterial identification, and demo analysis
- <u>Equipment validation and calibration</u>- pH meter, Water baths, Air Handling Unit, Biosafety cabinets, UV Spectrophotometer, Cleanroom validation, pipettes, Glass distillation unit, Turbidometer, Hot air ovens, microscopes
- Performing all allied technical quality and administrative functions efficiently
- Keeping an inventory of growth media and chemicals
- Vendor evaluation
- Training trainee Microbiologists

OTHER CERTIFICATES AND COMPETENCIES:

2017-2018 Certificate course (A levels) Deutsch from Mumbai University

English- Full professional proficiency Marathi- Native or bilingual proficiency Hindi- Native or bilingual proficiency

2014-2015 Microfluidics project- Standardization of biochemical tests using lab-on-papertechniques for the detection of *Pseudomonas*

spp causing milk spoilage

2012-2013 Science Honors Program for Undergraduate Research- Kishinchand Chellaram College