



# Cleanroom Services

Our teams utilize GMP Cleaning practices in cleanroom spaces for your facilities.



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## **OPERATING THE CLEANROOM**

Our GMP trained teams understand that maintaining a cleanroom is imperative to our client's manufacturing production. We maintain these GMP standards through:

- Minimizing the amount of potential pollutants entering and exiting production
- Only allowing trained personnel to access cleanrooms
- Regular cleaning of cleanroom space
- Regular maintenance of equipment
- Regular checking of air filters and airflow
- Re-validating the cleanroom space

## **GOWNING**

At Allegiance Industries, we offer customizable cleanroom gowning solutions tailored to your site's classifications and specific applications. By adhering closely to your site's sterile garb and processing requirements, we guarantee the integrity of your cleanroom environment, keeping it free from contamination. Whether your facility adheres to ISO 8 or ISO 5 standards, our experienced team ensures full compliance for all employees.

## **GOOD DOCUMENTATION PRACTICE (GDP)**

At Allegiance Industries, our team members excel in generating and upholding Good Documentation Practices (GDP) through meticulous attention to detail and thorough GDP sign-offs. By adhering to GDP principles, we deliver unwavering quality assurance to our clients consistently. Our Good Manufacturing Practice (GMP) cleaning protocols strictly adhere to GDP requirements as outlined in the Code of Federal Regulations (CFR) and our clients' Standard Operating Procedure (SOP) specifications."

## **FDA AUDIT'S**

At Allegiance Industries, our dedicated teams are committed to upholding the standard of a 'Tour Ready' appearance for your facility around the clock, 24/7. We prioritize maintaining a sterile environment, ensuring your facility remains free from microbial contamination. Following your site's specific protocols, we guarantee the presence of the appropriate number of trained associates at all times. Each associate is rigorously trained in the correct procedures for entering and exiting GMP areas, including proper gowning and changing protocols. Furthermore, our staff is proficient in utilizing the precise equipment and cleaning agents that adhere to your cleanroom classifications, ensuring compliance and optimal cleanliness."

## **HOW WE MAINTAIN A SAFE AND CONTROLLED CLEANROOM ENVIRONMENT**

### **USING CLEANROOM-COMPLIANT SUPPLIES FOR CLEANING**

When delivering sanitation services for cleanrooms, it's crucial that all cleaning supplies meet the standards for cleanroom use in your specific ISO Class. Our teams exclusively utilize Spore-Klenz and Coverage Plus products, ensuring a decontaminated environment that promotes safety for both employees and manufactured materials. At Allegiance Industries, we possess an in-depth understanding of the precise particle-to-surface bonding required for optimal cleaning efficiency.

## **MAINTAINING THE RIGHT TEMPERATURE AND HUMIDITY**

In most cleanrooms, maintaining a humidity level ranging between 30-40% RH, coupled with an air temperature around 70°F, is essential. This carefully controlled environment not only prevents bacteria growth, corrosion, and static electricity but also prioritizes employee comfort while minimizing the risk of releasing any detrimental particles into the environment.

## **TYPES OF CLEANING USED IN CLEANROOMS**

### **WET CLEANING**

Wet cleaning involves the application of a cleaning fluid to eliminate contamination from surfaces. This method is particularly employed when simple wiping is insufficient for thorough particle removal. At Allegiance Industries, we select our wet cleaning solutions carefully, taking into account the surface material and whether the objective is disinfection or sterilization, thus ensuring effective and appropriate cleaning of the space.

### **DRY TRANSFER**

This cleaning method involves polishing and/or wiping surfaces using absorbent materials. When employing 'dry transfer,' it's critical to minimize the risk of potential contamination. Therefore, we meticulously select cloths and wipes for janitorial procedures, ensuring they are crafted from durable materials that prevent the redeposition of particles, shedding, or premature breakdown. These decisions are informed by the ISO Class of your cleanroom, guaranteeing optimal cleanliness and maintenance.

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