Cleanroom Construction and Air Filtration Inspection Checklist

Interactive checklist for cleanroom construction and air filtration inspection. Comment, export as PDF/Excel, and ensure compliance with standards.

Project:
Date:
Filled by:

Structural Integrity

1	Verify that all walls, ceilings, and floors are constructed according to cleanroom specifications.
2	Ensure all materials used are non-shedding and appropriate for cleanroom environments.
3	Check for any cracks or damages that could lead to contamination breaches.
4	Inspect all joints and seals to ensure they are airtight and intact.

Air Filtration Systems

5	Assess the installation of HEPA/ULPA filters for proper placement and sealing.
6	Test air pressure differentials to maintain correct airflow patterns.
7	Evaluate the air change rate to ensure it meets cleanroom class requirements.
8	Check for any leaks in the air filtration system that could compromise cleanliness.

Compliance and Safety

9	Confirm that all construction and filtration systems comply with ISO cleanroom standards.
10	Ensure safety protocols are in place for maintenance and operation of the cleanroom.
11	Examine all monitoring equipment for functionality and calibration.
12	Review documentation of all inspections and maintenance activities for accuracy.

Cleanroom Environment

13	Measure temperature and humidity control to ensure stability.
14	Inspect lighting systems for proper illumination and minimal heat emission.
15	Verify that all cleanroom garments and materials are stored according to protocol.
16	Check for any sources of contamination such as dust, particles, or moisture.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Inspecting cleanroom construction and air filtration systems is crucial for maintaining stringent environmental controls necessary for advanced manufacturing, pharmaceutical production, and research facilities. This checklist provides a thorough examination of cleanroom structural integrity, air filtration efficacy, and compliance with industry standards. By ensuring all aspects are meticulously inspected, you minimize contamination risks and guarantee operational excellence. Our interactive checklist allows users to tick off items, add comments, and export the completed document as a PDF or Excel file, complete with a QR code for authenticity.	1. Gather necessary tools such as air pressure gauges, particle counters, and inspection checklists. 2. Start the interactive checklist by clicking 'Use this checklist' or 'Start Interactive Checklist'. 3. Tick off each item as you complete it, and add any relevant comments or observations. 4. After completing the checklist, click 'Share' or 'Download' to export your report as a PDF or Excel file. 5. Review the final report, secure digital signatures, and distribute to stakeholders. Archive with a QR code for security.