



# HVAC VALIDATION OF CLEANROOMS AND ASSOCIATED CONTROLLED ENVIRONMENTS

Products and processes that benefit from the control of airborne contamination include those in industries such as aerospace, food, healthcare, medical device, microelectronics and pharmaceutical.

Cleanrooms and associated control environments which provide contamination control for industry require routine re-qualification in order to provide evidence of continued compliance with relevant standards.



## The Legislation

The relevant standards are ISO 14644 'Cleanrooms & Associated Controlled Environments'; ISO 14698 'Cleanrooms and Associated Controlled Environments – Biocontamination control' and EU GMP.

For a full list of the latest legislation affecting the management of cleanrooms and associated controlled environments, please visit [www.hberm.com](http://www.hberm.com)



## Our Services

HBE provides a service to verify the continued compliance of an installation to approved standards by performing specified tests and by documenting the results.

### Our services include:

- Particle count test
- Airflow volume and airflow velocity test
- Room air change rate calculation
- Air pressure difference test
- Installed filter system leak test
- Recovery test
- Airflow visualization test
- Containment test
- Temperature and relative humidity test
- Noise level test
- Lighting level test
- System rebalancing
- Microbiological safety cabinets
- Glove box verification
- Hepa filter replacement
- LEV/fumehood verification

LEGIONELLA CONTROL

INDOOR AIR QUALITY

ASBESTOS MANAGEMENT

**HVAC COMMISSIONING**

FIRE RISK ASSESSMENT

ENVIRONMENTAL SERVICES

OCCUPATIONAL HEALTH & SAFETY

DISABILITY ACCESS AUDIT

CDMC/PSDP

COMPLIANCE TRAINING

WEB-BASED COMPLIANCE SYSTEM

(continued)

## Web Based Risk Compliance System

We understand how important it is to have access to up-to-date information. With HBE, you have the option to access your reports via our secure online Risk Compliance System, MBR, detailing the findings of all surveys and tests undertaken.



## About HBE Risk Management

With over 30 years' experience as trusted advisors to some of the UK and Ireland's largest private and public sector organisations, HBE Risk Management, has the knowledge and expertise to ensure that our clients' buildings not only meet, but exceed all legislative and health and safety requirements.

As an R&D-led organisation, our unrivalled team of health and safety experts, engineers and industry-leading scientists – working from locations right across the UK and Ireland – is constantly innovating and diversifying to ensure that we can respond to our clients' needs with the latest, state-of-the-art health and safety solutions.

Whether you are responsible for an acute hospital, a specialist manufacturing or industrial facility, an office block, a school or University, or other building with clean room and associated controlled environments, our industry-leading team offers expertise and a range of specialist services.

For more information call your local HBE Risk Management office, email [info@hberm.com](mailto:info@hberm.com) or visit [www.hberm.com](http://www.hberm.com)

