Programme
Airborne Surface Disinfection (ASD) processes

Duration: 2 days - (14 hours)

Training: in-house

Public : production operators, maintenance operators, qualification/validation managers

Pre requirements: no pre- requirement

Training accessible to people with disabilities

Pedagogical objectives

- Identify and know the regulatory requirements
- Know the different tools available to validate DSVA systems
- Master the general principles of the DSVA
- To be able to set up on its site

Content of the training

- Know the definition of DSVA: reminder Annex 1 - Draft V.12 2020, DSVA Manual / Automatic
- Know the definition of a biocide: BPR regulation (528/2012)
- Know the regulatory requirements for DSVA systems:
    - Biocide Directive
    - Standard NFT 72-281
    - EN 17272 standard
- Know the basics about the principles, technologies and risks associated with the use of DSVA systems:
    - Mode of action of H2O2: microbiological efficacy, vaporisation vs. nebulisation/fogging
    - Homogeneity of dispersion: associated risks, safety of operators and exposed materials
- Understand the basics of using DSVA systems in different configurations
    - Disinfection of areas
    - Disinfection of equipment : SAS transfers, AHUs, Isolators, Other equipment...
- Knowing the steps of the validation of a DSVA cycle
    - Disinfection cycle validation process
    - Validation steps of a H2O2 disinfection cycle
    - Validation tools
        - Definition and characterisation of BI, the rogue BI effect
        - Definition and characterisation of ICs
        - Enzyme indicators
        - Mapping of indicators
- Know the elements of qualification of a DSVA system
    - IQ
    - QO
    - Periodic requalification
- Know the stages of cycle development:
    - Initial parameters

    - BI / CI mapping
    - Definition of flow rates (air, H2O2 injection, temperature)
    - Heat mapping and definition of reconditioning times
    - Sub-lethal and lethal study
    - Definition of reference cycle parameters
    - Production cycle parameters
    - Production Cycle
    - Definition of alarms
    - Final parameters
    - Performance qualification: PQ, NC treatment
- To be able to put into practice the notions acquired on the site

Organisation of the training

Speaker :
Jules BOULICOT

Pedagogical and technical means

- Training materials and regulatory documents.
- Theoretical input, concrete case examples
- Participatory pedagogy
- Question and answer sessions
- Self-assessment using a grid

Monitoring and evaluation of training results

- Attendance sheets.
- Test of knowledge acquisition
- Training certificate.