



环境监控

环境监控是通过对生产区域及其周边相关环境的监测,以确保生产环境不受致病菌和腐败菌的污染,从而保证产品质量安全的一种预防控制措施。环境监控的结果为工厂环境的安全风险提供重要的信息和数据支持,并且帮助工厂在问题区域对产品构成风险之前采取正确有效的纠正措施。

目前,环境监控作为一种高效的质量监控手段已广泛的被各大食品企业所应用,因为它是辨别问题的有效途径,并可作为鉴别微生物污染高危区域的有利工具,且能确认清洗消毒的有效程度。《美国食品安全现代化法案》要求在食品加工过程中对产品有暴露的环境进行监控,以验证预防性控制措施的有效性。

梅里埃营养科学(中国)食品科学中心数十年来在环境监控方面有着丰富的经验和良好的策划团队,我们根据客户不同的需求或QA对产品风险的评估,有针对性地提供工厂实地考察和EMP选择与采样,为工厂量身定制有效的环境监控计划,并且通过完成环境涂抹以及致病菌实验室检测,真实有效地了解工厂环境风险,合理采取纠正措施,以避免产品召回及食品安全事故对食品工厂的重大损失。

为工厂提供的环境监控服务主要内容如下:

- 常规采样:根据客户工厂或梅里埃营养科学制定的采样计划进行的环境采样或产品采样(依据全球梅里埃营养科学采样标准)
- 环境监控计划建立:依据企业的产品类型和工厂设计差异帮助企业建立全面的EMP计划,包含致病菌及指示菌环境监控计划。
- 环境监控评估:作为第三方帮助企业评估工厂的微生物风险并提出建议
- 环境监控培训:提供全面的EMP课程、工厂实际操作培训,以及与微生物交叉污染相关的客户定制化内容的培训
- 线上培训平台订阅:提供专门针对工厂人员的持续培训方案,包括环境监控项目、GMP及交叉污染风险控制、HACCP、采样技术等多个在线课程
- 微生物问题调查服务:针对工厂致病菌阳性检出、指示菌超标、消费者投诉等问题提供问题排查和咨询服务
- **EnviroMap**:基于云端的EMP计划、数据管理全面解决方案
- 环境样品致病菌检测:可运用快速方法(BAX、VIDAS),GB,ISO,AOAC等权威方法检测李斯特菌属、单增李斯特、沙门氏菌等微生物

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Environmental Monitoring Program (EMP)

Environmental Monitoring Program (EMP), is through the monitoring of production area and its surrounding environment, to ensure that production environment is not contaminated by pathogens and spoilage organisms, thus as a measure to ensure product quality and safety.

As an effective method of quality assurance, EMP has been widely used in many food companies. EMP can be used as an advantaged tool to identify the high-risk areas of microbial contamination, and to determine the effectiveness of disinfection control. The FDA Food Safety Modernization Act (FSMA) requires monitoring of the food processing environment to verify the effectiveness of pathogen controls in processes where a food is exposed to a potential contaminant in the environment.



With years of rich experience in environmental monitoring service and an excellent teamwork, Mérieux NutriSciences China food science center is able to target to provide factory on-the-spot inspection, EMP selection and sampling services according to customer requirement and QA assessment on product risk, to tailor effective environmental monitoring programs for the factory. Sino Silliker can help you realistic understanding of the factory environment risk, and taking corrective measures, so as to minimize product contamination issues and prevent recalls.

What main environmental monitoring service provided by Mérieux NutriSciences now?

- **Regular Sampling:** Environmental or product sampling according to customer requirement or Mérieux NutriSciences plan (following Global standard of Mérieux NutriSciences EMP).
- **EMP Establishment:** Help customer established comprehensive EMP according to entrepreneurial types and the factory design differences, including EMP for pathogen and indicator organisms.
- **EMP Audit:** As a third party to help customer assess the factory's microbial risk, and put forward suggestion.
- **EMP Training:** To provide comprehensive EMP courses and practical training to factory, and custom training courses associated with microbial cross-contamination.
- **E-learning platform subscription:** Programs designed specifically for continuous training of factory personnel, including online courses on EMP, GMP and cross-contamination risk control, HACCP, sampling techniques.
- **Trouble Shooting Service:** To provide trouble shooting and consulting services to customer if the pathogens testing result is positive, indicator out-of-specs, and consumer complaints.
- **EnviroMap:** Cloud-based comprehensive solution for EMP management and data analysis.
- **Environmental Samples Testing:** To test pathogens with rapid method (BAX, VIDAS), GB, ISO, AOAC and other authority methods.

ANY QUESTIONS?

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