

**November 8, 2017 (13:30-14:15)**



**VENDOR SEMINAR:**

## **The Importance of CRMs & Sample Preparation in Ensuring Food Integrity & Safety**

---

### **The importance of CRMs & Sample Preparation in Ensuring Food Integrity & Safety**

*Kshitish Shukla & Mark Tutty, SPEX Europe, Stanmore, United Kingdom*

Providing assurance to consumers about the safety, authenticity and quality of food is one of the key drivers within the global Agri-Food economy.

Drawing on data from a number of sources, aspects such as low-level pesticide extraction; food contamination & adulteration; and food origin will be considered. The use of SPEX Europe's CRMs, chemical standards and sample preparation equipment help ensure high quality analytical results are achieved, cost effectively.

Presentation will introduce;

- Certified Reference Materials (CRM), an important Quality control tool for contaminants
- Heavy metals and speciation standards
- Pesticide residues, regulation, New pesticides kits that conform with the latest EU regulations
- Increased pesticide recovery using GG2010 with the QuEChERS method
- Use of cryogenic milling to enable scale-down and increase sample throughput

The use of MiniG in sample preparation for Stable Isotope Ratio Analysis (SIRA), to test the authenticity of food product origin and production method claims.