

ABSTRACT

MOHAMMAD KAMIL

Director General

Lotus Holistic Health Institute, Abu Dhabi, UAE

Food fraud is the deception of consumers through intentional adulteration of food ;

- 1- By substituting one product to the other;
- 2- Using unapproved enhancements or additives;
- 3- Misrepresenting something(e.g. country of origin);
- 4- Misbranding or counterfeiting;
- 5- Stolen food shipment and /or
- 6- Intentional contamination with a variety of chemicals, biological agents, or other substances harmful to private-or public health.

The purpose of this talk is to describe food & dietary supplement fraud i.e. deliberate substitution, addition, tampering, or misrepresentation of ingredients or packaging about a product for economic gain, based on practical laboratory experiments and using authenticated plant samples and standard chemicals/medicines. Fraud involving foods & dietary supplements consists of substitution with cheap, less potent, and spurious materials or diluting the valuable ingredient with an inexpensive one. Food items being used daily e. g. Honey, olive oil, cranberry, pomegranate, and spices, particularly saffron & cinnamon, of it, have been found to contain PDE-5 inhibitors, which may cause fatal side effects, particularly with nitrates