OMICS Group Conferences
Accelerating Scientific Discovery

2nd International Summit on
GMP, GCP & Quality Control

November 12-14, 2013 DoubleTree by Hilton Hotel Chicago-North Shore, USA

Cleaning challenges in the dietary supplement industry

Elizabeth Rivera

Technical Service Specialist, STERIS Corporation, USA

Abstract

In June, 2007 the U.S. Food and Drug Administration issued an industry specific regulation for Dietary Supplements (DS). This regulation states that DS manufacturers "must maintain, clean, and sanitize, as necessary, all equipment, utensils, and other contact surfaces used to manufacture, package, label, or hold components or dietary supplements." Dietary supplement manufacturers in the United States produce thousands of products in tablet, capsule, powder, liquid, and gel forms. The broad diversity of actives, excipients, and product variations makes it difficult for companies to design a cleaning strategy for DS manufacturing operations, hence making it more challenging to comply with new cGMP regulations.

This presentation will review current cleaning issues and challenges encountered by most DS companies. The presentation will cover new trends towards improving cleaning practices with emphasis in the following topics:

- Critical factors affecting the cleaning of dietary supplements
- Grouping strategies and its correlation to solubility, toxicity, and cleanability of a soil
- Acceptable cleanliness criteria.

Actual case examples with vitamins and minerals will be used throughout the presentation to demonstrate critical points.

Biography

Elizabeth Rivera is a technical service specialist for the Life Sciences Division of STERIS Corporation (Mentor, Ohio). Currently, she provides technical support in the areas of formulated detergents, disinfectants for critical environments, and sterility assurance products. Her primary focus is on the proper selection of detergents, disinfectants, and sterilization assurance products including the technical support in implementing or using these in the pharmaceutical, biopharmaceutical, cosmetics, medical devices, dietary supplements, and others related. In addition, she lectures at technical educational forums, such as IPA, Interphex, ExpoFYBI, and Executive Conference. She has published articles related to cleaning. She earned a Bachelor and Graduate degree in Chemical Engineering from the University of Puerto Rico.