

**FDA STAFF MANUAL GUIDES, VOLUME I - ORGANIZATIONS AND FUNCTIONS**

**FOOD AND DRUG ADMINISTRATION**

**OFFICE OF FOODS AND VETERINARY MEDICINE**

**CENTER FOR FOOD SAFETY AND APPLIED NUTRITION**

**OFFICE OF REGULATORY SCIENCE**

**DIVISION OF ANALYTICAL CHEMISTRY**

Effective Date: October 1, 2012

**1. DIVISION OF ANALYTICAL CHEMISTRY (DJJHFA).**

- A. Performs laboratory analysis of samples and provides technical support and expert advice in cooperation with other Center and Agency components to support research and policy development and assess sample compliance with laws and regulations enforced by the Agency.
- B. Develops, extends, refines, and validates analytical chemistry based methods for food defense threat agents, food additives, pesticides, allergens, dietary supplements, seafood toxins, and industrial chemicals that may be present in or contaminate CFSAN-regulated food and cosmetic products; recommends analytical methods for field use in monitoring and enforcement programs for these chemicals.
- C. Provides specialized infrared, near-infrared, Raman, surface Plasmon resonance, nuclear magnetic resonance and electron spin resonance spectroscopy, and mass spectrometry support to the Agency.
- D. Provides specialized protein analysis and proteomics support to the Agency.
- E. Conducts research to develop and refine the application of specialized and field portable instrumentation to Agency problems.
- F. Originates, plans, and documents research to ascertain the nature and magnitude of chemical additives, seafood toxins, pesticides, allergens or chemical contamination of CFSAN-regulated food and cosmetic products via environmental and other routes for risk assessment and policy development purposes.

- G. Develops analytical testing protocols for evaluating the migration of food packaging components to foods or food stimulants in order to facilitate submission and safety evaluation of indirect food additive petitions and notifications.
- H. Supports food defense measures through special research projects and scientific support during threat situations.
- I. Supports food safety through the development of DNA-based methods for plant and animal species identification.

## **2. METHODS DEVELOPMENT BRANCH (DJJHFA1).**

- A. Performs laboratory analysis of samples to support research and policy development and assess their compliance with laws and regulations enforced by the Agency.
- B. Develops and evaluates analytical methods to determine the presence and concentration of food defense threat agents, pesticides, contaminants or additives in foods and/or dietary supplements; provides scientific expertise and technical support for policy development and enforcement of Agency regulations.
- C. Originates, plans, and documents research to ascertain the nature and magnitude of chemical additives or contamination in food via environmental and other routes for risk assessment and policy development purposes.
- D. Develops analytical testing protocols for evaluating the migration of food packaging components to foods or food stimulants in order to facilitate submission and safety evaluation of indirect food additive petitions and notifications.
- E. Supports food defense measures through special research projects and scientific support during threat situations.

## **3. SPECTROSCOPY AND MASS SPECTROMETRY BRANCH (DJJHFA2).**

- A. Provides specialized infrared, near-infrared, Raman, surface Plasmon resonance, nuclear magnetic resonance and electron spin resonance spectroscopy, and mass spectrometry support to the Agency.
- B. Conducts research to develop and refine the application of specialized and field portable instrumentation to Agency problems.
- C. Conducts research to develop and refine the application of proteomics methods to Agency problems.

- D. Performs laboratory analysis of samples, in cooperation with other Center and Agency components, to support research and assess their compliance with laws and regulations enforced by the Agency.
- E. Develops and evaluates methods to determine the presence and concentration of contaminants in foods, dietary supplements, seafood and/or harvest waters.
- F. Originates, plans, and conducts research on seafood toxins, protein allergens and toxins, bacterial proteins, dietary supplements, food defense threat agents and other chemicals of potential food safety concern.
- G. Originates, plans, and conducts research on seafood toxins, allergens, dietary supplements, food defense threat agents and other chemicals of potential food safety concern.

#### **4. AUTHORITY AND EFFECTIVE DATE.**

The functional statements for this Division were approved by the Secretary of Health and Human Services, effective October 1, 2012.

FOOD AND DRUG ADMINISTRATION  
OFFICE OF FOODS AND VETERINARY MEDICINE  
CENTER FOR FOOD SAFETY AND APPLIED NUTRITION  
OFFICE OF REGULATORY SCIENCE  
DIVISION OF ANALYTICAL CHEMISTRY

OFFICE OF THE DIRECTOR

Methods Development Branch  
Spectroscopy and Mass  
Spectrometry Branch

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STAFF MANUAL GUIDE 1231.151  
ORGANIZATIONS AND FUNCTIONS  
EFFECTIVE DATE: October 1, 2012

The following is the Food and Drug Administration, Office of Foods and Veterinary Medicine, Center for Food Safety and Applied Nutrition, Office of Regulatory Science, Division of Analytical Chemistry organization structure depicting all the organizational structures reporting to the Office Director.

OFFICE OF THE DIRECTOR:

- Methods Development Branch
- Spectroscopy and Mass Spectrometry Branch