Health Sciences
Dietary
Supplements

NSF's Applied Research Center (ARC)

How can the ARC help you?

NSF International's Applied Research Center (ARC) partners with academia, industry and regulatory bodies to design innovative research strategies and perform development projects geared towards improved public health and safety decision-making. Our expertise spans the water, food, pharma, agriculture, sustainability and consumer products sectors.

The ARC provides analytical methods development, quality, safety and efficacy testing and research, chemical risk assessments, and publishes the results from this work in peer-reviewed journals. We also offer consultation in chemistry, microbiology, and toxicology to help position your product for marketplace success.

Drawing on more than 70 years of public health expertise, NSF's global network of quality and scientific professionals will help your company meet domestic and international requirements, providing you with guidance to increase your speed to market.

ARC services applicable to the dietary supplement and food industries include:

New Dietary Ingredient (NDI) Notifications

If a company is planning to use an ingredient that was not marketed in the United States in a product prior to October 1994, the U.S. Food and Drug Administration (FDA) requires that the company submit a safety assessment (NDI Notification) verifying that the ingredient is safe for human use. The ARC will provide you with a complete NDI package including:

- A review of the product use history and safety studies;
- Identification of chemistry and toxicology data needs;
- Contract GLP toxicology studies (as needed);
- Preparation/submission of the NDI Notification to the FDA;
- Assistance with the compilation of the necessary scientific substantiation for an NDI submission to the FDA.

GRAS (Generally Recognized as Safe) Dossiers

A substance that will be added to food is subject to premarket approval by FDA unless its use is deemed GRAS by qualified experts. NSF International's ARC will provide you with a complete GRAS Dossier including:

- Preparation of regulatory submissions or self-affirmation;
- Compilation of the necessary documentation based on generally available safety data and information about the use and manufacture of the substance;
- Coordination of an expert panel to determine whether there is consensus among qualified experts that those data and information establish that the substance is safe under the conditions of its intended use.

Risk Assessments

Our highly experienced toxicologists conduct human health risk assessments that enable more efficient risk management decisions. Our experts:

- Identify and evaluate relevant scientific literature;
- Document data gaps and make recommendations for their resolution;
- Characterize risk with quantitative dose- and exposure-response modeling;
- Derive acceptable exposures for specific chemicals or for chemical classes;
- Publish results from assessments in peer-reviewed scientific journals.

For more information, contact **arc@nsf.org**.

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