



INSURING THE
SAFETY OF
OUR FOOD



FOOD SAFETY BULLETIN

PFAS Analysis in Food Products

Per- and polyfluoroalkyl substances (PFAS) are a diverse group of human-made chemicals used in a wide range of consumer and industrial products. They are present in large quantities in the agricultural sector, in food packaging, in personal care products (cosmetics), textiles and various consumer products. PFAS do not easily breakdown and some types have been shown to accumulate in the environment and in the human body. Exposure to some types of PFAS have been linked to serious health effects.

Through the FDA's testing of foods grown or produced in areas with known environmental PFAS contamination, it's clear that PFAS in the soil, water, or air can be absorbed by plants and animals, leading to contaminated food products. Studies have shown the danger to human health, in particular, they are recognized as endocrine disruptors capable of altering the body's processes involving hormones responsible for development, fertility and other essential cellular functions. Exposure can occur in various ways, including foods where these substance are most frequently present such as drinking water, fish, fruit, eggs and egg products, in addition also through food packaging or equipment used for food processing.

Value Proposition

ADPEN is a leading provider of analytical testing services, offering solutions to facilitate global food trade and improve the safety of the supply chain.

ADPEN will provide analytical testing services to:

- ◇ Help our clients mitigate risks and make business operations more sustainable.
- ◇ Verify food and beverage products are in full compliance with current industry regulations.
- ◇ Ensure the highest level of quality and safety you demand in the agricultural supply chain.

QuEChERS sample preparation method and analysis by UHPLC-MS/MS for up to 21 PFAS compounds in meat, milk, fruits and eggs:

ANALYTES	LOQ
Option 1:	
PFHpS, PFDeA, PFDoA, PFHpA, PFHxA, PFNA, PFOA, PFPeA, PFUnA, PFBS, PFHxS, PFOS	0.01 µg/g
Option 2:	
PFHpS, PFDeA, PFDoA, PFHpA, PFHxA, PFNA, PFOA, PFPeA, PFUnA, PFBS, PFHxS, PFOS, PFDS, PFBA, PFDA, NaDONA, HFPO-DA, 9CI-PF3ONS, 11CI-PF3OUdS, M3 PFBA, MPFHxA	0.01 µg/g

Contact us to request more analysis information:

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