

Nitrate/Nitrite & Fluoride Analysis

Method Principles

- Nitrate/Nitrite: Extraction with ammonium buffer, protein precipitation followed by HPLC determination (Nitrate), color development followed by UV-Spectrometry (Nitrite)
- Fluoride: Dissolution of milk powder sample followed by ion selective electrode

Matrices Covered:

- Dairy products, cereals & vegetables (Nitrate/Nitrite)
- Dairy products (Fluoride)

Screening Limit:

- Nitrate (Range from 2.0mg/kg - 100mg/kg)
- Nitrite (Range from 0.2mg/kg - 5.0mg/kg)
- Fluoride (1mg/kg)