

Environmental Analytical Laboratories Services for the Agricultural Sector

Analysis of Agricultural Products

SRC Environmental Analytical Laboratories tests agricultural products to verify compliance with various requirements. Products tested include all types of grains and seeds, seed oils, plants, plant extracts and vitamins.

Pesticide/Herbicide Residues

Organic growers need to provide verification that their products or raw materials are free of pesticides and herbicides. We can test for a wide range of herbicides and pesticides including:

- Phenoxy Herbicide Group
- Organo-Chlorine Group
- Neutral Herbicides Group
- Pesticides/Organo-Phosphorus Group
- Soil Sterilants
- Carbamate Pesticide Group

Trace Metals

Many countries have limits for trace metals in agricultural products. We can test for a wide range of trace metals. Our ICP-MS scan includes:

Ag, Al, As, B, Ba, Be, Cd, Co, Cr, Cu, Fe, Mn,
Mo, Ni, Pb, Sb, Se, Sn, Sr, Ti, Tl, U, V, Zn

Radioactivity

Many European countries have guidelines for radioactive isotopes in agricultural products. We can test for a wide range of isotopes including:

- Cadmium¹⁰⁹
- Cerium¹⁴⁴
- Cesium¹³⁴
- Iodine¹³¹
- Manganese⁵⁴
- Ruthenium¹⁰³
- Tin¹¹³

Other tests for radioactivity include gross alpha, gross beta and gamma spectroscopy.

Cyanide in Flax Seed

Japan has introduced a regulation whereby the cyanide glycoside content of flax seed cannot exceed 10 parts per million (ppm). We can test for cyanide glycoside using the Japanese Ministry of Health, Welfare and Labour approved method.

Contact the lab for sample requirements and pricing.

- Food oils
- Vitamins
- Grains
- Plant extracts
- Metals
- Radionuclides
- Herbicides and pesticides
- Cyanide in flax



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