

# HEAVY METALS TESTING

**Ultra-trace levels detection**

**Detect toxic heavy metals**  
cadmium, lead, nickel, mercury,  
chromium & more

**Soil, plant & water testing**

**Freshcare, Global G.A.P., HARPs  
food testing** (Farmer accreditation)

**Environmental & health risk management**  
(EPA compliance)



### **Ultra-trace levels detection**

Heavy metals as well as toxic metals such as cadmium, lead, nickel, mercury, chromium and others are analysed at ultra-trace levels using state-of-the-art instrumentation ICP-MS technique at ALTSA. We are testing soil, plants, water, food, and several other sample matrices..



### **Heavy metal health risks**

Exposure to heavy metals can have severe health consequences such as brain damage (**especially in children**) & reproductive difficulties.



### **Impact on crops and water sources**

Environmental pollution of soil and water directly affects the heavy metal and metalloid content in foods and crops. Contaminated irrigation water and wastewater effluents can accumulate heavy metals in soil and food. Heavy metals can leach from contaminated soils into vital water sources.



### **Freshcare, Global G.A.P., HARPs**

Farmers requiring any of these accreditations can request heavy metal testing of their produce at ALTSA.

## **How we can help**

Health risks can be controlled and reduced by firstly monitoring heavy metal levels in soil, plants, food, and water samples and assessing the risk posed by any heavy metals detected.

We provide the required soil tests for environmental site investigations according to EPA guidelines for land re-use.

We also assess drinking water safety through several chemical and microbiological tests.

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