Quantex Laboratories

Elemental, Lead, Heavy & Trace Metals
Analytical Services

The presence of heavy metals such as cadmium, chromium, lead and mercury can affect health and product performance. Many times, elevated levels of these and other heavy metals are indicators of problems with the manufacturing process or the raw materials used. Calcium based antacids, calcium supplements, plastics and zinc based fertilizers are examples of products where elevated levels of lead and cadmium in the raw materials resulted in product recalls. Regardless of the cause, when present at elevated levels, heavy metals can pose serious problems.

The FDA, European Union and various other regulatory bodies around the world strictly regulate the allowable concentrations of heavy metal in a multitude of products , such as foodstuffs, pharmaceutical, biotechnology, personal care, cosmetics, consumer, medial device, paint, fabric, plastic, ink and industrial products.

Who We Are

Quantex Laboratories is a science and technologies services company providing analytical testing, research and consulting services in the chemical sciences. Our services are employed to address and solve issues relating to impurities, contaminants, unknowns, performance and manufacturing problems of materials and products and related regulatory issues. We provide our serves to customers both here in the United States as well as companies located in Europe, Asia and Central/South America.

Our Capabilities

Quantex Laboratories provides reliable comprehensive testing capabilities for elemental and trace/heavy metals analysis. We have extensive experience and expertise in the analysis of a diverse range of sample types, matrices and detection limits. Our instrumental capabilities include inductively coupled plasma (ICP), flame atomic absorption (FAAS), graphite furnace atomic absorption (GFAAS) and cold vapor atomic absorption for the analysis of mercury.

Quantex Laboratories can provide a complete suite of capabilities. Whether the product is a raw material, intermediate or finished product, these capabilities allow our scientists to measure and analyze for the presence of heavy metals from percent levels down to trace levels in the parts-per billion range. We routinely analyze for such metals as arsenic, cadmium, chromium, hexavalent chromium, lead and mercury, as well as many other metals. In addition, vitamins and nutritional supplements can be analyzed for minerals such as calcium, copper, iron, magnesium, manganese, selenium, zinc and much more. Sample and matrix types for which we have extensive experience with include foodstuffs, bottled beverages, packaging materials and components, pharmaceutical, biotechnology, personal care, cosmetics, medial device, consumer, fabric, paint, ink, plastic, film and industrial products, to name a few.

Providing Support For

Whether the issues center on identifying the source of product failure or contamination issues or the need to meet various regulatory requirements, Quantex has both the experience and capabilities. With regards to regulatory programs, we can provide support programs which include FDA 21CFR170, 21CFR210, 21CFR211;cGMP, GLP, CONEG, CPSC & LHAMA – 16CRF1303 and ASTM F-963, NAPIM/NIPRI Bulletin 96-63 and EU RoHS and WEEE Directives.

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FDA Registered cGMP and GLP Compliant