

TRACE METALS ANALYSIS

Trace metals analysis provided by Intertek Caleb Brett laboratories across the world, detect and identify the types and amounts of trace metals in a wide range of materials and products



Offering a wide range of testing, inspection, calibration, certification, & other services assisting with quantity, quality and operations in support of oil and natural gas production, transportation, midstream, downstream and refining.



Global Trace Metals Experience & Capabilities:

Trace metal analysis supports quality control screening efforts, identification of unknowns and contamination detection, process improvement, troubleshooting efforts, formulation investigations, materials sourcing evaluation, regulatory compliance, molecular species identification, wear metals testing, and other applications.

Trace metals analysis is available to parts per million (ppm), parts per billion (ppb) and parts per trillion (ppt) detection levels, depending upon the sample-matrix and technique used. Experienced Intertek scientists provide rapid sample screening and detailed high resolution analysis for detection and measurement of trace metals content.

Products analyzed for trace metal content include

- Chemicals
- Crude Oil and Petroleum
- Fuels and other refined products
- LPG gasses
- Consumer products
- Waters
- Soils
- Unknown deposits and precipitations
- Food
- Pharmaceuticals
- many other materials

Services

- Trace detection and analysis
- Ultra-Trace detection and analysis
- Trace chemical composition
- Material testing and screening
- Assay and purity analysis
- and more

Intertek laboratories are staffed with experienced chemists and scientists with years of experience in trace metals analysis. State-of-the-art trace metal analysis instrumentation includes Inductively Coupled Plasma Spectroscopy (ICP), ICP-Mass Spectrometry (ICP-MS), GC-ICP-MS, HPLC-ICP-MS, Scanning Electron Microscopy (SEM-EDX), and other proven analytical techniques for finding and characterizing trace metals and metallic molecular species in materials and products.

Trace metal elements and molecular species detected include:

- Aluminum
- Antimony
- Arsenic
- Barium
- Beryllium
- Boron
- Cadmium
- Cobalt
- Copper
- Chromium
- Hexavalent Chromium
- Gold
- Iron
- Lead (Pb)
- Lithium
- Magnesium
- Manganese
- Mercury
- Molybdenum
- Nickel
- Palladium
- Potassium
- Platinum
- Selenium
- Silicon
- Silver
- Sodium

- Tin
- Titanium
- Thallium
- Vanadium
- Zinc
- Other Metals and analytes

About Intertek Caleb Brett:

Intertek Caleb Brett provides expert qualitative and quantitative analytical assessment services to the oil & gas, chemical and other commodities markets. With a global network of laboratories, 24/7 availability, and more than a 130 years of exceptional customer service, we deliver timely, local, and customer-centric inspection and testing services, providing our clients with full transparency and minimizing risk through the supply chain.

FOR MORE INFORMATION

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