# High-Quality Radiocarbon Testing and Isotopic Analysis

**SGS Beta** is a global leader in high-precision radiocarbon (carbon-14) and isotopic analyses, supporting a wide range of sectors including archaeology, geology, biobased product testing, biogenic carbon testing and contamination source tracking. Our mission is to provide accurate, high-quality scientific data with reliable turnaround times, helping our clients make informed decisions backed by trusted science.

## SGS Beta specializes in Radiocarbon (C-14) & Stable Isotope Analysis

**Biobased Content Verification** – Assess biobased carbon content for raw materials and end products to qualify for biobased certifications.

**Biogenic Carbon Testing** – Differentiate between fossil-derived and biomass-derived carbon sources in biofuels, hydrocarbon and fuel gases, stack gas emissions, and waste to support sustainability claims and regulatory compliance.

**Natural Ingredient Authentication** – Verify the authenticity of natural ingredients in flavors and fragrances, essential oils, supplements, and more.

**Radiocarbon Dating** – Determine the age of sediments, charcoal, bones, and additional organic materials with high-precision analysis up to 43,500 years before present.

**Stable Isotope Analysis** – Measure hydrogen, carbon, nitrogen and oxygen isotopes for climate research, ecological studies, and sourcing studies.

## Why Choose SGS Beta?

- ✓ **ISO 17025-Accredited Laboratory** – Ensuring rigorous quality control & compliance.
- ✓ **Fast Turnaround Times** – Reliable results with industry-leading speed.
- ✓ **Largest AMS facility in the World** – Virtually unlimited capacity for your C-14 needs.
- ✓ **Easy & Efficient Sample Submission** – Streamlined process for hassle-free testing.
- ✓ **Exceptional Customer Service** – Dedicated multilingual support team for personalized assistance.

# SGS Isobar Services for Isotopic Analyses

**SGS Isobar** is a subsidiary of **SGS Beta**, specializing in Geochronology, Geochemical Fingerprinting and Environmental Source Tracking.

**Geological & Material Provenance Analysis** – Strontium, Boron, and Lead isotope analysis to track the geological origin of materials, from archaeological samples to food provenance and forensic investigations. Stable isotopes are also available for this application.

**Uranium-Thorium (U-Th) Dating** – Precise age determination for corals, carbonates, and archaeological samples beyond the radiocarbon range (up to 500,000 years before present).

**Strontium (Sr-Sr) Dating** – Determine the age of marine carbonates up to 600 million years before present, providing crucial insights into past ocean chemistry and geological time scales.

**Contamination Source Tracking** – Strontium, Boron and Lead isotope analysis to trace pollution sources, water contamination, and industrial emissions. Stable isotopes are also available for this application.

## Get Started Today!

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isobarscience.com

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