



# LABORATORIES FOR PRODUCT TESTING



**PLASTIC FREE CERTIFICATION - PRODUCT FOURTH ISSUE**

# Laboratories for Product Testing



This list serves as a reference guide for laboratories that perform FTIR testing and biobased content analysis, as required by the Plastic Free Standard - Product - Fourth Issue. It is strongly recommended to contact the listed laboratories directly to confirm the availability of specific services and relevant accreditations, as technical capabilities and certifications may vary or be updated.

**Australia:**

- Australian Nuclear Science and Technology Organisation (ANSTO), Lucas Heights, AustraliaSpecializes in carbon-14 analysis to determine biobased content.
- CSIRO Manufacturing, Clayton, AustraliaProvides research and analysis services for biobased materials.
- Intertek Australia, Melbourne, AustraliaOffers testing and certification services for biobased products.
- SGS Australia, Perth, AustraliaProvides a range of analysis services, including biobased material testing.

**Austria:**

- Romer Labs, Tulln, AustriaISO 17025 accredited, providing analytical services for mycotoxins, allergens, and GMOs.
- OFI Technologie & Innovation GmbH, Vienna, AustriaProvides analysis services for biobased materials and conformity testing.
- Intertek Austria, Vienna, AustriaOffers a range of testing and certification services, including biobased materials.
- TÜV AUSTRIA, Vienna, AustriaCertification body offering analysis services for biobased products.

**Brazil:**

- Embrapa (Brazilian Agricultural Research Corporation), Brasília, BrazilSpecializes in biobased and renewable material analysis.
- Instituto de Pesquisas Energéticas e Nucleares (IPEN), São Paulo, BrazilProvides radiocarbon analysis for biobased content.
- Laboratório Nacional de Luz Síncrotron (LNLS), Campinas, BrazilOffers advanced material analysis services, including biobased products.
- SGS Brazil, São Paulo, BrazilPart of the SGS network, offering comprehensive testing and certification services.

**Chile:**

- Universidad de Chile, Departamento de Química Ambiental, Santiago, ChileProvides biobased material analysis and environmental certification.
- SGS Chile, Santiago, ChileOffers testing and certification for biobased content.
- Pontificia Universidad Católica de Chile, Centro de Investigaciones del Medio Ambiente (CIMA), Santiago, ChileSpecializes in analysis of biobased and sustainable materials.
- Intertek Chile, Santiago, ChileProvides analytical and certification services for biobased products.

**China:**

- China National Center for Quality Supervision and Test of Plastic Products, Beijing, ChinaSpecializes in the analysis of plastic products, including biobased materials.
- SGS China, Shanghai, ChinaProvides testing and certification services for various materials, including biobased ones.
- Intertek Testing Services Ltd., Guangzhou, ChinaOffers analysis services for biobased materials and consumer products.
- China National Analytical Center, Guangzhou, ChinaAccredited for chemical analysis, including biobased material testing.

**France:**

- CIRAM, Bordeaux, FranceSpecializes in biobased carbon content analysis following ASTM D6866.
- Analytice, Strasbourg, FranceMeasures biobased content in plastic resins and polymers per ASTM D6866.
- LNE (Laboratoire National de Métrologie et d'Essais), Paris, FranceOffers analysis and certification services for biobased products.
- Carso Group, Lyon, FranceSpecializes in chemical and biological analysis, including biobased material testing.

**Germany:**

- Fraunhofer Institute for Wood Research (WKI), Braunschweig, GermanySpecializes in biobased material research and offers analysis services.
- BASF SE Analytical Services, Ludwigshafen, GermanyProvides analysis services for various materials, including biobased products.
- TÜV Rheinland, Cologne, GermanyOffers a range of testing and certification services, including biobased content analysis.
- DIN CERTCO, Berlin, GermanyA certification body offering analysis services for biobased products.

**India:**

- Indian Institute of Technology (IIT) Delhi - Department of Biochemical Engineering and Biotechnology, New Delhi, IndiaOffers research and analysis services for biobased materials.
- Shriram Institute for Industrial Research, New Delhi, IndiaProvides a range of testing and analysis services, including biobased materials.
- SGS India, Mumbai, IndiaPart of the SGS network, offering analysis services for various materials, including biobased products.
- Intertek India, Chennai, IndiaProvides testing and certification services, including biobased product testing.

**Italy:**

- Test & Innovation Lab Srl (TIL), Prato, ItalyISO 17025 certified, offering a range of tests with over 250 Accredia-accredited services.

- Eurofins BioPharma Product Testing Italy, Vimodrone (MI) and Poggibonsi (SI), Italy Laboratories with numerous institutional accreditations, including ISO/IEC 17025.
- TÜV AUSTRIA Italia, Sesto San Giovanni, Italy Accredia-accredited body for product certification per UNI CEI EN/ISO/IEC 17065:2012.
- LB Servizi, Italy The first Italian company accredited by ACCREDIA for UNI EN 16640:2017, offering C14 content quantification in solids, liquids, and CSS.

#### **Japan:**

- Japan Radioisotope Association, Tokyo, Japan Specializes in radiocarbon (C14) analysis for biobased materials.
- National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan Provides research and analytical services for biobased and sustainable materials.
- SGS Japan, Tokyo, Japan Offers testing and certification services for biobased content.
- Intertek Japan, Yokohama, Japan Provides analytical services for biobased and sustainable product certification.

#### **Mexico:**

- Centro de Investigación en Química Aplicada (CIQA), Saltillo, Mexico Specializes in research and analysis of biobased polymers and materials.
- Instituto Nacional de Investigaciones Forestales, Agrícolas y Pecuarias (INIFAP), Mexico City, Mexico Provides analysis services for biobased materials.
- SGS Mexico, Mexico City, Mexico Part of the SGS network, offering testing and certification for biobased content.
- Intertek Mexico, Guadalajara, Mexico Offers analysis and certification for biobased products.

#### **Russia:**

- VNII NP (All-Russian Research Institute for Oil Refining), Moscow, Russia Offers analysis services for biobased materials and petrochemical products.
- Analytica Laboratories, St. Petersburg, Russia Specializes in chemical analysis, including biobased material testing.
- Institute of Macromolecular Compounds RAS, St. Petersburg, Russia Provides research and analysis services for polymers and biobased materials.
- Eurofins Russia, Moscow, Russia Part of the Eurofins network, offering analysis services for various materials, including biobased ones.

#### **South Africa:**

- Council for Scientific and Industrial Research (CSIR), Pretoria, South Africa Provides research and analysis services for biobased materials.
- University of Pretoria, Department of Chemical Engineering, Pretoria, South Africa Specializes in renewable and biobased material testing.
- SGS South Africa, Johannesburg, South Africa Offers testing and certification for biobased content.
- Intertek South Africa, Cape Town, South Africa Provides analytical services for sustainable and

biobased materials.

**South Korea:**

- KTR (Korea Testing & Research Institute), Seoul, South KoreaSpecializes in testing biobased materials and compliance certification.
- KCL (Korea Conformity Laboratories), Seoul, South KoreaProvides analytical services for radiocarbon content in biobased products.
- SGS South Korea, Incheon, South KoreaPart of the SGS network, offering analysis and certification for biobased content.
- Intertek South Korea, Seoul, South KoreaProvides comprehensive testing services, including biobased material analysis.

**Spain:**

- AITEX (Instituto Tecnológico Textil), Alcoy, SpainOffers testing services for textile materials, including biobased content testing.
- Tecnalia, Bilbao, SpainA research and innovation center providing analysis of biobased materials.
- Instituto de Ciencia y Tecnología de Polímeros (ICTP), Madrid, SpainSpecializes in polymer research and analysis, including biobased materials.
- Laboratorio Analítico Bioclínico, Barcelona, SpainProvides chemical analysis services, including biobased product testing.

**Sweden:**

- SP Technical Research Institute of Sweden, Borås, SwedenProvides analysis and certification services for biobased materials.
- RISE Research Institutes of Sweden, Göteborg, SwedenOffers research and analysis services for biobased materials.
- Swerea IVF, Mölndal, SwedenSpecializes in research and development of innovative materials, including biobased ones.
- Eurofins Environment Testing Sweden, Uppsala, SwedenProvides environmental analysis services, including biobased product testing.

**United Kingdom:**

- Intertek, Manchester, UKProvides biobased content analysis and compliance testing according to international standards.
- Eurofins York, York, UKSpecializes in compliance testing for biobased products and environmental analyses.
- Smithers Rapra, Shropshire, UKOffers analysis services for polymeric materials, including biobased content testing.
- TÜV SÜD Limited, Fareham, UKProvides a range of testing and certification services, including biobased content analysis.

**United States:**

- Beta Analytic, Miami, USAISO/IEC 17025:2017 certified, specializing in biobased carbon

measurement using AMS techniques per EN 16640.

- Romer Labs, Union, MO, USA ISO 17025 accredited, offers analytical services for mycotoxins, allergens, and GMOs.
- SGS North America, New Jersey, USA Provides biobased content testing according to international standards.
- Intertek USA, Houston, TX, USA Offers analysis services for biobased materials and conformity testing.



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