

GUIDE TO GOOD SAMPLING PRACTICES

This guide will help you prepare and send us your products under optimal conditions.

HOW TO PREPARE AND SEND US YOUR INDUSTRIAL SAMPLES ?

CIRAM is an independent French analytical laboratory specializing in radiocarbon dating and isotopic analysis. The laboratory analyzes all your solid, liquid and gaseous samples.

How to complete and submit your analysis form ?

Visit our website, « [Industry](#) » section, and fill out our online request form : « [Fill out and submit your analysis form](#) ».

Once the form is submitted, you will receive a summary e-mail containing your sample form.

Important regulatory information

Carbon-14 enriched samples are not accepted (tracers or artificial C¹⁴).

Preparing your samples

Please follow the detailed preparation instructions below. CIRAM distinguishes 3 categories:

- **Solid samples**
(ex : polymers, SRF, composite materials, pigments)
- **Liquid samples**
(ex : solvents, oils, biofuels, cosmetics)
- **Gaseous sample (please contact us beforehand)**
(ex : biogas, fumes, industrial emissions)

The indicated quantities correspond to the volumes required to ensure a representative analysis.

Sending samples

Packaged samples should be sent to the following adress:

CIRAM
Attn : Industry dept.
9 allée Jacques Latrille
33650 MARTILLAC - FRANCE

CIRAM

If the information on this guide does not answer your questions, please contact us directly by e-mail or phone: contact@ciram-lab.com / +33 (0)5 56 23 45 35

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	Types of sampling	Recommended quantities	Recommended containers
Solid samplings	Conventional solids	2 - 3 g	<ul style="list-style-type: none"> • Airtight HDPE bottle or zip-lock bag • Double packaging recommended (secondary airtight bag)
	Inherently heterogeneous solids	15 - 20 g	
	<ul style="list-style-type: none"> • Waste • Solid Recovered Fuel (SRF) : particle size 0,5 mm 		
	Pellets		
	Textiles		
Liquid samplings	Liquids	2 - 5 mL	<ul style="list-style-type: none"> • HDPE or glass bottle with airtight stopper (vial) • Double packaging recommended (secondary airtight bag)
	Detergents	5 - 20 mL	
Gaseous samplings	Gas	0,3 L x 2	<ul style="list-style-type: none"> • Gas bag (Tedlar®) equipped with valve and septum • IsoTubes and IsoSamplers
	CO ₂	Please send a duplicate sample in case of leakage Specify the type of gas on the container	

RECOMMENDED CONTAINERS



HDPE bottle



Leak-proof bag



Glass bottle



Gas bag



IsoTube et IsoSampler

IMPORTANT POINTS TO CONSIDER WHEN PREPARING AND SENDING YOUR SAMPLES

- Packaging**
 Containers must be clean, chemically compatible, leak-proof and shock-resistant. For shipments, use coarse vermiculite or other cushioning materials (flo-pak, crumpled paper, bubble wrap); cause excessively fine material can contaminate the sample by becoming lodged in the container's crevices.
- Documents**
 Each shipment must be accompanied by its duly completed sample form and, if applicable, a SDS (Safety Data Sheet).
- VOCs (Volatile Organic Compounds)**
 Packaging is mandatory in a perfectly airtight container (without any loss of material).
- Special cases**
 Complex or multi-component matrices: specific instructions may be provided by the laboratory for preparing your sample.