



ENVIRONMENTAL RADIOACTIVITY TESTING LABORATORIES

Eichrom Laboratories


Accreditations and Authorizations

(Updated February 2010)

✓ COFRAC Accreditations

Eichrom Laboratories are regularly fully audited by the French organism for accreditation, namely COFRAC. As a result, our laboratories are accredited for radioactivity analysis, as detailed below.

COFRAC and other European Accreditation organisms (BMWA in Austria, DACH and DAP in Germany, ENAC in Spain, IPAC in Portugal, UKAS in Great Britain, SNAS in Slovakia, ...) signed the multilateral agreement for the EA (European co-operation for accreditation) and the ILAC (International Laboratory Accreditation Cooperation) on the **recognition of the equivalence of the test reports.**

	Type of sample	Accreditation Program	Radioactive measurements
	Fresh water	Program 135	Gross Alpha
			Gross Beta
			Tritium
Potassium 40			
U-234/235/238			
Ra-226			
Ra-228			
Lead-210			
Po-210			
Pu-238/239+240			
Am-241			
Am-242/244			
Neptunium-237			
Waste water	Program 135	C-14	
		Sr-90	
		Gamma emitters (40-2000 keV)	
Solids (soils, sediments, mud, sands...)	Program 135	Gamma emitters (40-2000 keV)	
Milk powder	Program 99-4	Gamma emitters (40-2000 keV)	

EICHROM Europe Laboratories

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ENVIRONMENTAL RADIOACTIVITY TESTING LABORATORIES



✓ French Nuclear Safety Authority authorizations

Eichrom Laboratories are authorized by the French Nuclear Safety Authority (ASN) for radioactivity analyses on environmental samples:

Type of sample	Type of authorization	Radioactive measurements
Waters	1_01	γ emitters > 100 keV
	1_02	γ emitters < 100 keV
	1_03	Gross Alpha
	1_04	Gross Beta
	1_05	Tritium
	1_06	C-14
	1_07	Sr-90 / Y-90
	1_09	Uranium and daughters
	1_11	Ra-226 and daughters
	1_12	Ra-228 and daughters
	1_13	Pu, Am, ...isotopes
1_17	Total Uranium	
Soil	2_01	γ emitters > 100 keV
	2_09	Uranium and daughters
	2_13	Pu, Am, ...isotopes
Biological samples	3_01	γ emitters > 100 keV
	3_02	γ emitters < 100 keV
	3_05	Tritium
	3_07	Sr-90 / Y-90
3_13	Pu, Am, ...isotopes	
Aerosol	4_01	γ emitters > 100 keV
	4_03	Gross Alpha
	4_04	Gross Beta
	4_07	Sr-90 / Y-90
	4_09	Uranium and daughters
Gas Air	5_01	γ emitters > 100 keV
	5_02	γ emitters < 100 keV
	5_05	Tritium
	5_06	C-14
	5_14	Halogenated gases



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✓ French Ministry of Health authorizations

The **Drinking Water Directive 98/83/EC** defines the radioactive parameters to be analyzed within the framework of **quality control of water intended for human consumption**. Eichrom Laboratories are authorized by the French Ministry of Health for the analysis of the majority of these radioactivity parameters:

	Type of sample	Type of authorization	Radioactive measurements
 <p data-bbox="204 1037 423 1121">Authorized by the French Ministry of Health (water intended for human consumption)</p>	<p data-bbox="561 957 651 984">Waters</p>	<p data-bbox="919 720 935 747">D</p>	Gross Alpha
			Gross Beta
			Tritium
		<p data-bbox="911 1020 943 1047">E3</p>	U-234/235/238
			Ra-226
			Ra-228
			Lead-210
			Po-210
			I-131
			Co-60
			Cs-134/137
			Pu-238/239+240
			Am-241
			C-14
			Sr-90

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