

ENVIRONMENTAL RADIOACTIVITY TESTING LABORATORIES




Eichrom Laboratories - Accreditations and Authorizations

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.

	Accreditation Program	Type of sample	Radioactive measurements
	135 Program Radionuclides laboratory testing in all types of environmental samples	Fresh water	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
	99-4 Program Chemical contaminants analyses on animals, animal products and foodstuff for animals and humans : radionuclides	Food powder	Gamma emitters (40-2000 keV)
Dairy products		Beta emitters (Sr-90)	
SPECTRO_DECH Program Radionuclides in waste	Concrete	Gamma emitters (60-2000 keV)	

EICHROM Europe Laboratories

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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
2_02		γ emitters < 100 keV
2_09		Uranium and daughters
2_11		Ra-226 and daughters
2_12		Ra-228 and daughters
2_13		Pu, Am, ...isotopes
2_17		Total Uranium
Biological samples	3_01	γ emitters > 100 keV
	3_02	γ emitters < 100 keV
	3_05	Tritium
	3_06	C-14
	3_07	Sr-90 / Y-90
	3_13	Pu, Am, ...isotopes
Aerosol	4_01	γ emitters > 100 keV
	4_04	Gross Beta
	4_07	Sr-90 / Y-90
	4_09	Uranium and daughters
	4_17	Total Uranium
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



Authorized by the French Nuclear Safety Authority (ASN) for radioactivity measurements in environmental samples.


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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>Authorized by the French Ministry of Health (water intended for human consumption)</p>	Waters	D	Gross Alpha
			Gross Beta
			Tritium
		E3	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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