



**Eurofins Eichrom Radioactivité**  
**Campus de Ker Lann - Parc de Lormandière**  
**Rue Maryse Bastié - Bât. C**  
**35170 Bruz - France**

Eurofins | Anatech  
Mrs. Ananda SILVA  
Rua Bittencourt Sampaio, 105  
Vila Mariana  
04126-060 São Paulo/SP

Bruz, 20/02/2019

## Test report

Dear Madam,

Please find below your test report corresponding to your samples sent for radiological analysis, as received in our laboratory on 31/12/2018.

We would like to thank you for your confidence and, if you need any further information, please, do not hesitate to contact us.

Yours sincerely,

Patrice Letessier  
*Managing Director*



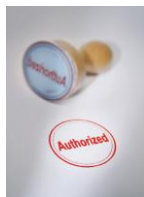
Accreditation n°1-1550  
Full scope available on  
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Eichrom Laboratories is agreed by French Ministry of Health for the radioactive measurements of drinking water and French Nuclear Safety Authority (ASN) for radioactivity analyses on environmental matrices.

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Brésil

## TEST REPORT N° 19-00305-02193

*This test report only deals with the tests performed on the samples received*

Customer ID : ICO017 - Order N° :	Sampling date : 16/12/2018
<b>Sample reference : 1909819</b>	Sampling location : Rio de Janeiro - Brasil
Matrix : EFFLUENT / Effluent	
Date of delivery : 31/12/2018	

Parameter	Reference method	Unit	Result	Incertainty (k=2)	Detection Limit (LD)	Date of preparation	Date of measurement	COFRAC
Ra-226	NF EN ISO 10703	Bq.L <sup>-1</sup>	< LD		15	15/01/2019	18/01/2019	YES
Ra-228		Bq.L <sup>-1</sup>	< LD		4	15/01/2019	18/01/2019	YES

### Remarks :

Activities, uncertainties and detection limits are calculated from the date of sampling for gamma spectrometry analysis (NF ISO 18589-3).

Radium228 is deduced from its progenies Actinium228.



Accreditation n°1-6490  
Full scope available on  
[www.cofrac.fr](http://www.cofrac.fr)

The accreditation by COFRAC is attesting the competence of the laboratory only for tests covered by the accreditation, as indicated by the mention "YES".  
The reproduction of this test report is only authorised in form of an integral facsimile.

Bruz, on 20/02/2019

Benoît DANIEL  
Technical Manager

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